Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

BUILDING OUTLOOK MORE PROMISING

For the first time this year the contemplated building operations from plans filed aggregate a larger total than in the corresponding month last year. In 69 cities, all over the United States, the cost, from plans filed in May, amounts to $69,326,000, compared with $67,477,000 in the same month last year.

In 22 cities in the Eastern States there is a gain compared with the corresponding month last year of 22%. This compares with one of 16% in April and about 4% in March.

The Southern States, are recovering from the depression, the loss last month only amounting to $1,500,000, compared with $6,500,000 for the first five months of the year. In the Central States the loss in 25 cities aggregates $1,000,000 compared with a loss of $10,000,000 for the first five months. In the Western States there are unmistakable signs of recovery, a loss of $2,000,000 last month compares with one of $21,000,000 for the first five months of the year.

EASTERN STATES

	Month of May		First Five Months of Year	
	1915	1914	1915	1914
Albany, N. Y.	$406,580	$569,565	$1,652,585	$3,023,775
Bridgeport, Conn.	1,119,354	330,770	3,430,503	1,531,652
Buffalo. N. Y.	1,222,000	1,124,000	3,930,000	3,995,000
Elizabeth, N. J.	99,264	189,045	458,845	576,480
Hartford, Conn.	691,600	430,159	2,301,404	1,714,699
Hoboken, N. J.	62,130	144,405	493,920	503,527
Jersey City, N. J.	616,908	419,375	2,280,778	1,572,091
Newark, N. J.	981,745	809,288	3,870,082	3,485,817
New Bedford, Mass.	271,300	278,975	1,465,082	1,615,424
New Haven, Conn.	318,740	307,200	2,416,540	1,538,139
New York N. Y.				
Bronx	4,634,950	1,357,412	14,724,425	11,252,603
Brooklyn	3,313,740	3,456,200	8,203,890	17,305,600
Manhattan	13,566,625	7,065,900	36,348,390	22,883,390
Queens	1,964,005	2,177,010	8,271,471	8,269,512
Paterson. N. J.	123,882	173,471	456,393	662,585
Philadelphia, Penn.	2,868,840	6,250,000	15,192,540	17,547,825
Pittsburgh, Penn.	937,449	1,592,209	2,992,834	6,890,655
Portland, Maine	202,855	204,980	.....	.....
Reading, Penn.	28,775	73,650	412,675	842,625
Rochester, N. Y.	1,001,455	1,343,781	3,788,036	4,002,197
Scranton, Penn.	141,933	104,161	458,629	477,006
Springfield, Mass.	932,818	775,616	2,817,651	2,180,329
Syracuse, N. Y.	257,261	246,805	1,428,366	837,985
Utica, N. Y.	158,705	184,795	888,500	562,185
Wilkes-Barre, Penn.	149,644	53,978	.....	.....
Totals	$36,071,958	$29,662,750	$118,283,539	$112,708,916

SOUTHERN STATES

	Month of May		First Five Months of Year	
	1915	1914	1915	1914
Atlanta, Ga.	$337,934	$732,299	$1,797,445	$1,847,844
Birmingham, Ala.	192,735	288,998	725,879	1,310,422
Chattanooga, Tenn.	45,038	78,400	192,450	573,395
Dallas, Tex.	278,335	540,100	1,382,390	2,894,618
Ft. Worth, Tex.	57,050	215,570	400,805	1,045,238
Houston, Tex.	108,604	476,359	724,270	1,581,141
Louisville, Ky.	295,150	459,830	1,455,385	2,040,315
Memphis, Tenn.	228,490	304,645	1,216,318	1,731,870
New Orleans, La.	297,681	204,587	1,075,959	1,062,391
Norfolk, Va.	155,578	164,938	792,084	1,142,013
Richmond, Va.	396,300	370,034	1,470,264	1,927,284
Washington, D. C.	992,670	1,054,404	4,097,677	4,705,492
Totals	$3,385,565	$4,890,164	$15,330,926	$21,862,023

CENTRAL STATES

	Month of May		First Five Months of Year	
	1915	1914	1915	1914
Akron, Ohio	$322,035	$364,765	$1,197,790	$1,574,745
Canton, Ohio	216,575	131,650	694,070	609,095
Cedar Rapids, Iowa	181,000	321,000	.....	.....
Chicago, Ill.	7,902,900	6,919,150	32,659,550	34,320,900
Cincinnati, Ohio	1,102,425	1,181,715	3,727,029	3,907,375
Cleveland, Ohio	5,151,909	2,201,820	15,100,334	11,562,920
Columbus, Ohio	911,785	841,000	2,134,490	2,595,205
Davenport, Iowa	63,000	142,312	300,682	950,185
Des Moines, Iowa	280,880	202,465	742,863	824,093
Duluth, Minn.	294,148	340,365	973,248	1,429,377
Evansville, Ind.	143,592	168,186	770,602	685,010
Ft. Wayne, Ind.	157,875	353,375	.....	.....
Grand Rapids, Mich.	379,996	304,759	1,123,191	2,103,281
Indianapolis, Ind.	493,930	1,547,787	2,734,447	4,142,167
Kansas City, Kan.	64,575	109,106	468,260	485,227
Kansas City, Mo.	886,215	1,177,915	4,144,190	5,368,175
Milwaukee, Wis.	1,188,700	1,641,584	3,918,019	4,610,788
Minneapolis, Minn.	1,755,200	3,160,685	6,375,360	8,169,400
Omaha, Neb.	889,385	1,146,853	2,060,840	2,462,668
Peoria, Ill.	231,280	262,015	935,510	1,068,025
St. Louis, Mo.	937,676	1,496,603	4,989,008	6,443,254
St. Paul, Minn.	1,309,656	1,503,214	4,458,506	5,937,438
Toledo, Ohio	553,155	792,159	3,267,359	2,962,525
Youngstown, Ohio	244,055	414,864	1,017,492	1,187,301
Totals	$25,661,947	$26,705,347	$93,793,440	$103,399,054

WESTERN STATES

	Month of May		First Five Months of Year	
	1915	1914	1915	1914
Denver, Colo.	$434,270	$218,030	$1,284,695	$1,190,566
Los Angeles, Calif.	1,168,983	1,478,703	5,281,200	8,106,024
Oakland, Calif.	350,035	366,728	1,925,694	1,987,274
Portland, Ore.	432,065	643,880	2,179,665	3,346,475
Salt Lake City. Utah.	279,791	300,914	975,383	1,163,714
San Diego, Calif.	69,029	329,616	584,584	1,360,290
San Francisco, Calif.	947,115	1,781,148	5,675,260	19,368,783
Seattle, Wash.	353,820	809,405	2,643,065	4,720,690
Spokane, Wash.	130,471	103,542	473,566	462,657
Tacoma, Wash.	49,998	187,391	406,686	707,487
Totals	$4,209,577	$6,219,357	$21,429,798	$42,413,960

PRICE CHANGES

Cement—Manufacturers of cement selling in the New York market have advanced their quotation to $1.25 New York. This seems to be fairly well held in this market, although business is extremely light. There seems to be no especial reason for the advance save the desire on the part of manufacturers to get a better price and the knowledge that some of the smaller concerns had all the business booked that they could comfortably take care of for the time being.

Concrete Aggregate—Some very keen competition in the crushed-stone field is coming from a new interest in the New York market, particularly a New England concern, and prices have been forced down to levels not reached in a number of years. There seems to be good foundation for the report that a sale of crushed stone was made, delivered alongside of dock New York, at 65c. per cu.yd., and other quotations have been made slightly above this figure. The very low price of crushed stone has also forced down the price on gravel, and sales have been made at approximately the same figure as crushed stone. It is difficult to secure any kind of a quotation on subway gravel, for the reason that so many long-time contracts are running that the manufacturers still selling it are unwilling to make any contracts for this special material.

RAILWAYS—STEAM AND ELECTRIC

Maine—Bangor Ry. & Electric Co.—The Council of Bangor has granted a franchise to this company to double track its line on Union St. C. H. Johnson, Bangor, is Supt. Ry.

Massachusetts—Bay State St. Ry. Co.—This company has applied for a franchise to improve its line on Walley St. from Gladstone St. to Waldemar Ave., East Boston. R. S. Goff, Boston, is Vice-Pres. and Gen. Mgr.

Connecticut—Norwich, Colchester & Hartford Traction Co.—The charter of this company has been amended and the time extended in which to complete its proposed electric railway from Norwich to Hartford, Conn. T. C. Murphy, F. Cronin and C. S. Holbrook, Norwich, are interested. Noted Jan. 21.

New York—International Ry. Co.—This company will double-track its line on Virgil Ave. from Hertel to Kenmore Ave. in Buffalo. J. C. Sheldon, Buffalo, is Pur. Agt.

New York—International Ry. Co.—This company has applied to the Council of Buffalo for a franchise to construct a line on Michigan St. from Elk to Ohio St. and westerly along Ohio St. J. C. Sheldon, Buffalo, is Pur. Agt.

New York—See item under "Miscellaneous—Laying Tracks and Repairing Pier."

Pennsylvania—Phœnixville, Valley Forge & Strafford Electric Ry. Co.—This company is considering plans for the extension of its electric railway lines from Phœnixville into Montgomery County. Thomas E. O'Conell, Phœnixville, is Pres. and Gen. Mgr. Noted Mar. 18.

Maryland—United Ry. & Electric Co.—This company has applied to the City Council of Baltimore for a franchise to divert its Mt. Washington line from Calvert St. to Charles St. between Center and German St. Mason D. Pratt, Baltimore, is Ch. Engr.

✚**Virginia**—Radford-Willis Southern Ry.—This company has awarded the contract for the construction of its proposed line from Radford to Willis, Va., about 25 miles, to the WILLIAMS BROS. CONSTRUCTION CO. Noted Apr. 1.

West Virginia—Plans have been submitted to the Raleigh County Business Men's Association by H. G. Scott, Charleston, W. Va., Gen. Mgr., of the Virginian Power Co., for the route of the electric railway from Fayette Station, on the Chesapeake & Ohio Ry., to Beckley, W. Va., about 35 miles, via Mount Hope, Oak Hill, Glen Jean, Fayetteville and other points. C. L. Beckner, T. E. Bibb and Ernest Chilson Beckley, were appointed members of the Committee on plans.

West Virginia—The Charleston Interurban R.R. Co. will expend $750,000 in extending its line from Charleston to Montgomery, W. Va., about 25 miles. S. M. Gallaher, Charleston, is Pur. Agt. and Ch. Engr.

Tennessee—Cumberland R.R. Co.—See item under Kentucky.

Kentucky—The Asher Lumber Co., Barbourville, Ky., will construct a logging road in the Wolf Pen section of Little Brush Creek, Knox County, Ky.

Kentucky—Cumberland R.R. Co.—This company plans to construct a line from Warren, Ky., to Jellico, Tenn., about 18 miles. T. H. Layden, Artemus, Ky., is Gen. Mgr.

Kentucky—Cumberland & Manchester R.R.—This company, recently chartered, plans to award contracts about June 15 for the construction of its line from Barbourville to Manchester, about 25 miles. C. L. Heidrick, Brookville, Penn., is Pres. Noted Apr. 29.

Ohio—John C. Lake, Bigprairie, Ohio, is interested in the construction of an electric railway from Custaloga to Bigprairie.

Ohio—East Linden Traction Co.—This company has applied to the Council of Columbus for a franchise to construct a cross-town line in North Columbus.

Indiana—John T. Oliphant, Vincennes, Ind., is interested in the construction of an electric railway to connect Bicknell, Bruceville, Alicevile and Vincennes.

Illinois—Southern Traction Co. of Illinois—This company plans to resume work soon on the construction of its line across the municipal bridge in East St. Louis. The company proposes to operate an electric line through the coal fields of Illinois to Duquoin, passing through several important cities. H. C. Begole, St. Louis, Mo., is Secy.

Illinois—Aurora, Plainfield & Joliet Ry. Co.—This company plans to double-track its line on North Chicago St. in Joliet, Ill.

Illinois—Murphysboro & Southern Illinois Ry. Co.—Work will soon be started by this company on the construction of its proposed electric railway from Murphysboro to Carbondale, about eight miles. A. B. Minton, Murphysboro, is Pres. Noted Jan. 28 and Feb. 11.

Iowa—Keokuk-Jefferson City Electric Ry. Co.—Surveys have been made by this company for the construction of an electric railway from Keokuk to Newark. It is proposed to build an electric railway between Keokuk, Iowa, and Jefferson City, Mo., via Wayland, Williamtown, Labell, Newark, Bethel, Shelbyville, Shelbina, Paris, Mexico and Fulton. H. W. Knight, Chicago, Ill., is interested.

Minnesota—See item under "Miscellaneous"—Dredging—St. Paul, Minn.

Missouri—Kansas City Connecting R.R.—The State Public Service Commission has granted permission to this company to construct seven miles of tracks into the stockyards. The proposed improvements will cost about $2,000,000. Four and one-half miles of the tracks will be constructed in Missouri and two and one-half miles in Kansas. This will necessitate a subway under the Union Pacific tracks at the Kaw River Bridge.

Missouri—According to press reports surveys are being made for the construction of a railway to conneet Siloam Springs with Pomona, Bakersfield and Gainesville. N. O. Tate, Norton, Kan., and B. J. Boyce, West Plains, Mo., are interested.

Missouri—Metropolitan St. Ry. Co.—The City Council of Kansas City, Mo., has granted permission to this company to extend its lines on Broadway, Prospect and Woodland Ave., 12th, 24th and 31st St. A. E. Harvey, Kansas City, is Ch. Engr.

Arkansas—A company is being organized to construct a railway from Melbourne, Ark., to a connection with the St. Louis, Iron Mountain & Southern R.R., about seven miles.

Texas—Oklahoma & Texas Southern Ry.—Plans are being considered by this company for the extension of its line from Bowie to Forestburg, Krum and Denton, Tex., about 50 miles. W. A. Squire, Henrietta, Tex., is interested.

Oklahoma—Surveys are being made for the construction of an electric railway from Bristow to Drumright and from Bristow to Okmulgee, Okla. W. Mathews, St. Louis, Mo., is interested.

Idaho—Lewiston, Nezperce & Eastern Ry.—This company, recently incorporated, is making preliminary arrangements for the construction of its proposed line from Lewiston to Nezperce and central Idaho. Z. A. Johnson, Lewiston, is interested. Noted Apr. 15.

Utah—Southwestern & Pacific Ry.—Surveys will soon be started by this company for the construction of a railway from Salt Lake City through the southern portion of Utah to San Diego, Calif. D. C. Collier, San Diego, is Pres. and R. E. Clapp, Salt Lake City, is Consult. Engr. Noted May 7, 1914.

Washington—Gray's Harbor Ry. & Light Co.—Plans are being considered by this company for the extension of its North Hoquiam branch from its present terminus at Lytle Mill to the Little Hoquiam Bridge. P. A. Bertrand, Aberdeen, is Secy. and Gen. Mgr.

Oregon—Oregon-Washington R.R. & Navigation Co.—This company plans to start work soon on the construction of its proposed line from The Dalles to Hood River, about 19 miles. J. R. Holman, Portland, is Ch. Engr.

California—Fresno, Coalinga & Monterey Ry. Co.—On account of financial conditions this company has decided to postpone for an indefinite period, the construction of its electric railway from Fresno to Monterey. Ernest R. Shaw, Mutual Bank Bldg., San Francisco, is Gen. Mgr. Noted Mar. 18.

California—Pacific Electric Ry. Co.—Plans are being prepared by this company for double-tracking its line for a distance of three miles on American Ave. in Long Beach, Calif. J. McMillan, Los Angeles, is Gen. Mgr.

California—Pacific Electric Ry. Co.—This company contemplates the extension of its electric railway from San Bernardino to East Highland and Del Rosa. J. McMillan, Los Angeles, is Gen. Mgr.

California—The Pacific Gas & Electric Co., San Francisco, Calif., will make improvements to its street railway system at Sacramento, as follows: Reconstructing line on P St. from Third to 10th St., estimated cost, $12,805; reconstructing line on J St. from Second to 12th St., estimated cost, $40,926; constructing a new line on Second and Park Ave., estimated cost, $18,406. John A. Britton, 445 Sutter St., San Francisco, is Gen. Mgr.

California—Plans have been prepared by M. M. O'Shaughnessy, City Engr., San Francisco, for the extension of the municipal railway across Golden Gate Park. The proposed line will extend from 10th Ave. and Fulton St. through Golden Gate Park to 14th Ave. and Lincoln Way. Its terminus will be at 14th Ave. and Judah St. The roadway through Golden Gate Park will be depressed. Noted Dec. 24.

California—Southwestern Pacific Ry.—See item under Utah.

Ontario—Lake Erie & Northern Ry.—According to press reports this company will electrify its line from Galt to Brantford, about 40 miles. Martin L. Todd, Galt, is Engr.

Ontario—W. D. Euler, Berlin, is interested in the construction of an electric railway to connect Berlin, Bridgeport, Bloomingdale, New Germany and Guelph.

Ontario—Sudbury-Copper Cliff Suburban Electric Ry. Co.—This company plans to start work soon on the construction of its proposed electric railway from Copper Cliff to Sudbury. J. H. Mackey, Sudbury, is Pres. Noted Nov. 12.

Saskatchewan—The City Council of Regina has authorized the expenditure of $10,000 for the extension of the Young St. municipal railway. Noted Jan. 15.

Alberta—Edmonton Dunvegan & British Columbia Ry.—This company has been granted an extension of time in which to construct a line from Spirit River, Alta., to a junction with the Pacific Great Eastern at the Alberta-British Columbia boundary; also a line through the Grande Prairie district. Noted Apr. 22.

British Columbia—Pacific & Great Eastern Ry.—This company has secured through the Canadian and British Columbia Governments about $3,000,000 for the completion of a line, which is now in operation between Vancouver and Lillooet, B. C. It will be continued north to the Hundred-mile House in Cariboo, a distance of 223 miles from Vancouver. William Gerig, Medford, Ore., is Vice-Pres., Gen. Mgr. and Ch. Engr.

LIGHT, HEAT AND POWER

West Newbury, Mass.—The City Council is considering the installation of a municipal electric-lighting system. The present service is furnished by the Newburyport Gas & Electric Co.

†Worcester, Mass.—The Worcester Electric Light Co. has awarded the contract for the installation of two 1250-hp. boilers in the proposed addition to its Webster St. station to the BIGELOW CO., New Haven, Conn., at about $12,000. Noted June 3.

Cranston, R. I.—(Providence post office)—Bids will be received until June 17 by the Board of Contract and Supply, Room 18, State House, Providence, for the construction of a power house, installation of steam plant, electrical equipment for central plant, all in connection with the new central heating and lighting plant for the state institutions in Cranston. The Richard D. Kimball Co., Industrial Trust Bldg., Providence, is Engr.-in-Charge.

Exeter, R. I.—(Official)—All bids received May 27 for the steam work in connection with the central plant for the Rhode Island School for the Feeble Minded at Exeter, were rejected, and new bids for the work will be received until 10 a.m., June 17, by the Board of Control and Supply, Room 18, State House, Providence. William A. Schofield is Chn. and Gilbert R. Parker is Secy. of the Bd. Noted May 13.

Lindenhurst, N. Y.—It is reported that the City Council is considering plans for the installation of an electric-light plant in connection with the municipal water-works system.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids will be received until 3 p.m., June 10, by Cabot Ward, Pres. Bd. of Park Comrs., Municipal Bldg., Borough of Manhattan, for the installation of a hot-water heating plant in the animal hospital of the Zoölogical Park, Borough of the Bronx.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 10:30 a.m., June 17, by the Department of Public Charities, Municipal Bldg., Borough of Manhattan, for boilers, engines and air ducts in connection with mechanical-draft installation in 12 boilers of the Kings County Hospital, Borough of Brooklyn. Bids will be received at the same time for dumping grates for 12 return-tubular boilers, and repairing brick work in furnaces of said boilers in the power plant of the Kings County Hospital. John A. Kingsbury is Comr. of Pub. Charities.

Nutley, N. J.—The Board of Education has ordered plans prepared for the installation of a steam-heating plant in the Park School estimated to cost $11,000.

Dayton, Va.—It is reported that the Town Council will soon award contracts for the installation of an electric-light plant and sewer system. Bonds for $24,500 were recently sold for this work.

Westpoint, Va.—The People's Light, Heat & Power Corporation, Westpoint, contemplates the construction of an addition to its plant and the installation of an additional unit. Samuel MacWatters is Supt.

†Kenova, W. Va.—The Ohio Valley Electric Ry. Co., Huntington, has awarded the contract for a turbo-generator for the power house at Kenova to the GENERAL ELECTRIC CO., Schenectady, N. Y., at $49,145. It will be of the Curtis type with a capacity of 11,000 volts and 6750 kw.

Ocala, Fla.—It is reported that plans will soon be completed for the construction of a municipal electric-light plant estimated to cost $75,000. Twombley & Henney, 55 Liberty St., New York, N. Y., is Engr. H. C. Sistrunk is City Clk.

Cincinnati, Ohio—It is reported that the Board of Education, Charles Handman, Business Mgr., has engaged an engineer to prepare plans and estimates of the cost of installing generating stations in some of the larger public school buildings of the city.

Cleveland, Ohio—Bids will be received until noon, June 18, by the Commissioner of Purchases and Supplies, 511 City Hall, for furnishing rubber-covered lead-incased cable for the municipal electric light plant. F. W. Ballard, 1443 East Third St., is Comr. of Light and Heat Dept.

Granville, Ohio—It is reported that the Ohio Light & Power Co., Tiffin, has applied for a franchise to furnish electricity for domestic and commercial purposes in Granville.

Kent, Ohio—(Official)—Bids will be received until noon, June 19, by John A. McDowell, Secy. Bd. of Trustees, Kent State Normal School, for the installation of boilers, stokers, engines and generators at the Kent State Normal School. George F. Hammond, 4220 Prospect Ave., Cleveland, is Arch.

Oakwood, Ohio—The Oakwood Light & Water Co. contemplates increasing its capital stock from $10,000 to $100,000 for the purpose of improving its plants and purchasing some new equipment.

Washington, Ohio—(Official)—Bids will be received until noon, June 19, by the Director of Public Service for lighting the streets, alleys, parks, public places and public buildings in the city for a period of five years, beginning July 1, 1915. Ray Maddox is Clk. to Dir. of Pub. Ser.

Zanesfield, Ohio—C. C. Outland, Mayor of Zanesfield, and E. Huntzinger, Piqua, plan to organize a company to install and operate an electric-light plant in Zanesfield.

✚Eveleth, Minn.—The Home Electric & Heating Co. has awarded the contract for the construction of a power station and office building to L. DUPLAISE, Duluth, at $14,000.

Tekamah, Neb.—At a recent election the citizens voted in favor of a bond issue of $15,000 for the extension of the municipal electric-light plant to furnish 24-hr. service. Noted May 13.

Chilhowee, Mo.—The city has voted $6800 in bonds for the purpose of installing an electric-light plant.

Harrisonville, Mo.—It is reported that W. B. Rollins & Co., Midland Bldg., Kansas City, has prepared preliminary plans for the construction of a municipal electric-light plant at Harrisonville. The estimated cost is $15,000.

✚Montrose, Mo.—The City Council has awarded the contract for the installation of an electric-power plant, exclusive of building, to the MATTHEWS CONSTRUCTION CO., Kansas City, at $5590. Noted Aug. 20.

Gordon, Tex.—The Gordon-Mingus Light Co. has been organized with a capital stock of $6000 for the purpose of installing and operating an electric-light plant.

Antlers, Okla.—It is reported that an electric-light plant will be installed in Antlers at an estimated cost of $15,000.

Tyrone, Okla.—The Tyrone Light, Ice & Power Co. has been granted a franchise for the installation of an electric-light and power plant in Tyrone. Walter J. Harville is interested.

Sterling, Colo.—It is reported that the Sterling Consolidated Electric Co. will soon purchase a 250-kw., three-phase, 60-cycle, 2200-volt generator and engine, stokers for three boilers, poles and wire. H. L. Titus is Mgr.

Kellogg, Idaho—The Guelph Mining Co. plants to install an electric power plant, compressor plant, pumps, hoist and other machinery for operating its property at Kellogg.

Pleasant Grove, Utah—The city contemplates the establishment of a municipal electric-light plant. The estimated cost is $25,000.

Colville, Wash.—The Stevens County Power & Light Co., whose plant is at Meyers Falls, Wash., plans to build a new dam in the Colville River and establish a new power station. H. R. Williams, Colville, is Vice-Pres. and Mgr.

Friday Harbor, Wash.—It is reported that a franchise has been granted to R. D. Burghardt, Seattle, to install and operate an electric-light plant in Friday Harbor.

Petaluma, Calif.—The Pacific Gas & Electric Co. will replace five miles of high-pressure gas main between Petaluma and Santa Rosa. The estimated cost is $12,000. John A. Britton, 445 Sutter St., San Francisco, is Gen. Mgr.

San Francisco, Calif.—The Pacific Gas & Electric Co. will install two boilers and superheaters at its gas plant at Station A, at a cost of about $41,400, and will lay an 8-in. high-pressure pipe line from the plant to the county line, about six miles, estimated to cost $50,500.

Montreal, Que.—Bids will be received until June 15 by the Board of Commissioners for the construction of the exterior electric system for the filtration plant.

Petrolia, Ont.—The Mayor and Town Council are having plans prepared for the installation of a new hydro-electric plant and distribution system estimated to cost $35,000.

Thamesville, Ont.—It is reported that plans will be prepared at once for a new hydro-electric lighting system for the town. W. J. Crydermann is Town Clk.

BRIDGES

✚Waterbury, Conn.—(Official)—Bids were received June 1 by the Board of Public Works for the construction of a reinforced-concrete bridge across the Naugatuck River at Bank St. as follows: Barbara D'Aurio, $91,574; C. A. Sibley, New Haven, $87,159; O'Brien Construction Co., 18 East 41st St., New York, $84,559; McHarg-Barton Co., 171 Madison Ave., New York, $71,598; Fred T. Ley & Co., Inc., Springfield, Mass., $70,455; Robert Daley Co., New Haven, $66,091; Barzaghi-Vought Co., Inc., 299 Madison Ave., New York, $62,870; HUDSON RIVER CO., 149 Broadway, New York, $61,337 (awarded contract). The bids for removing the old steel bridge at Bank St. and rebuilding it on new abutments at Freight St. were as follows: McHarg-Barton Co., $11,800; C. A. Sibley, $9560; Hudson River Co., $9000; SPAULDING CONSTRUCTION CO., Suffield, $7000 (awarded contract). Noted May 27.

Westport, Conn.—Charles J. Bennett, State Highway Comr., Hartford, has approved the plans prepared for a new bridge across the Saugatuck River at State St., Westport, and bids will soon be asked by the State Highway Department. It will be 33 ft. wide with a lift span. The estimated cost is $125,000, to be divided equally between the town, the state and the Connecticut Co. Noted May 27.

✚Buffalo, N. Y.—Press reports state that the Streets Committee of the Board of Aldermen has directed the Commissioner of Public Works to award the contract for rebuilding the Chicago St. Viaduct to the AMERICAN BRIDGE CO., 30 Church St., New York, at $185,000. The bridge has been closed for nearly a year. Noted May 7, 1914.

✚Canton, N. Y.—The Town Board opened bids May 28 for the construction of a bridge at Morley, as follows: Spaulding Construction Co., Suffield, Conn., $7498; Penn Bridge Co., Beaver Falls, Penn., $7540; Austin Bros., Atlanta, N. Y., $9450; United Construction Co., Albany, $7697; Standard Engineering Co., Toledo, Ohio, $7874; GROTON BRIDGE CO., Groton, $7195 (awarded contract).

✚✚Wallkill, N. Y.—(Official)—Bids were received May 29 for the construction of a concrete-steel arch over the Wallkill River from: RENNELL CONSTRUCTION CO., 30 Church St., New York, $24,326 (awarded contract); Thomson-Wooster Co., Walden, N. Y., $24,870; Woolsey Construction Co., Poughkeepsie, $24,950; Young & Hyde, Inc., Produce Exchange Bldg., New York, $25,348; Hamilton Engineering & Construction Corporation, Woolworth Bldg., $25,480; John M. Holler, Albany, N. Y., $26,000; L. F. Bannon Co., Kingston, $26,555; Interstate Construction Co., 1170 Broadway, New York, $26,898; Abner M. Harper, Inc., Newburgh, $29,000; Kingsbridge Contracting Co., Inc., 30 East 42d St., New York, $36,336. James F. Loughran, 74 John St., Kingston, is County Supt. of Highways of Ulster County. Noted May 13.

New Brunswick, N. J.—Bids will be received until 2:30 p.m., June 15, by the Board of Chosen Freeholders of Middlesex County for the construction of a concrete culvert over Prentiss Brook on Jeffries St., South River. Asher W. Bissett is Clk. of Bd.

Butler, Penn.—Bids will be received until June 18 by the Commissioners of Butler County for the construction of five reinforced-concrete girder bridges, ranging from 25 to 35 ft. in length.

Grove City, Penn.—Bids will be received until June 21 by the Board of Commissioners of Mercer County for the construction of the Pine Ave. Bridge over Wolf Creek in the borough of Grove City. It will consist of a steel superstructure with piling in place and either stone or concrete abutments. H. C. Comstock, Mercer, is County Controller.

✚Harrisburg, Penn.—(Official)—The Board of Commissioners of Dauphin County has awarded the contract for the construction of a concrete bridge over Wiconsico Creek at Lykens to G. W. ENSIGN, INC., Harrisburg, at $4516. The contract for a small bridge over Armstrong Creek, five miles above Halifax, was awarded to the FERRO CONCRETE CO., Harrisburg, at $850. Noted May 27.

Lebanon, Penn.—Bids will be received until June 16 by the Supervisors of North Annville Township, Lebanon County, by Samuel T. Meyer, Township Solicitor, 811 Cumberland St., Lebanon, for a bridge across Quittapahilla Creek on the Clear Spring-Belle Grove Rd.

Milroy, Penn.—Bids will be received until June 16 by S. H. Crissman, Chn. of the Bd. of Supervisors of Armagh Township, Milroy, for the construction of three reinforced-concrete bridges.

✚Georgetown, Del.—(Official)—The Board of Commissioners of Sussex County has awarded the contract for the construction of a concrete bridge over Marshy Hope Creek to HOMAN & MIXNER, Cape May, N. J., at $4000. Noted May 20.

Cumberland, Md.—(Official)—Bids will be received until 10 a.m., June 19, by the Road Directors of Allegany County for the construction of a 70-ft. steel bridge replacing the bridge over the C. & O. Canal at Virginia Ave., and removing the old bridge a distance of about eight miles to Dickens Mill, and erecting it over Evitts Creek. J. T. Edwards is Pres. Rd. Dir.

Elkridge, Md.—(Official)—Bids will be received until noon, June 15, by O. E. Weller, Chn. State Rd. Comn., Garrett Bldg., Baltimore, for the construction of a reinforced-concrete bridge across the Patapsco River along the Baltimore and Washington Blvd. near Elkridge, Baltimore and Howard Counties. It will consist of two 98-ft. spans. Contract No. 0-5 Br.

Frostburg, Md.—The city and the Cumberland & Pennsylvania R.R. will build a bridge over the railroad cut on Bowery St. It will be a concrete arch 44 ft. long with a 38-ft. roadway and 6-ft. sidewalk.

Pungoteague, Va.—(Official)—All bids received June 3 for the construction of a 612-ft. wooden beam bridge over Occahannock Creek in Accomac County were rejected, and no date has been fixed yet for receiving new bids. Noted May 27 under Keller, Va.

✚Rocky Mount, Va.—(Official)—The State Highway Commission, Richmond, has awarded contracts for the superstructure and substructure of a bridge over the Pig River at Rocky Mount, Franklin County., to the ROANOKE BRIDGE & IRON WORKS, Roanoke, and J. T. McMAHON, Roanoke, respectively. Noted Apr. 8.

✚Columbia, S. C.—It is reported that the Seaboard Air Line Ry. has awarded the contract for a new bridge at Columbia to the CAROLINA CONSTRUCTION CO., Union National Bank Bldg., Columbia, at about $40,000.

Macon, Ga.—It is reported that the Commissioners of Bibb County contemplate the construction of a concrete bridge over Eckaconnee Creek on the Columbus Rd. between Bibb and Crawford Counties.

Clearwater, Fla.—It is reported that E. R. Jeffords and George Smoyer, Clearwater; W. E. Parker, Tampa, and P. E. Ruhl, Plant City, have organized a company to build a bridge from the mainland at Clearwater to Island Park. The estimated cost is $100,000.

✚✚Lake Charles, La.—(Official)—The Police Jury of Calcasieu Parish has awarded the contract for the construction of the six reinforced-concrete arches of the Calcasieu River Bridge near Lake Charles to the MISSOURI VALLEY BRIDGE & IRON CO., Leavenworth, Kan., and the FRUIN-COLNON CO., St. Louis, Mo., at $53,924; the contract for the electrically operated double-leaf trunnion bascule span, Strauss type, was awarded to the FEDERAL BRIDGE CO., Waukesha, Wis., and the MISSOURI VALLEY BRIDGE & IRON CO. at $17,914. Other bidders for the concrete arches were: Hardaway Contracting Co., $81,319; Midland Bridge Co., $93,900; Hackedorn Contracting Co., $113,109. Bidders on the bascule span were:

Hardaway Contracting Co., $21,311; Penn Bridge Co., $22,263; Sterling Engineering Co., $22,378; Midland Bridge Co., $23,561; Vincennes Bridge Co., $23,714. Bids were opened June 1. Noted May 13.

Covington, Ky.—The city contemplates the construction of a 725-ft. steel bridge near the Louisville & Nashville R.R. Bridge, to carry the emergency water-main across the Licking River. The estimated cost is $50,000. George Hornung, Johnston Bldg., Cincinnati, Ohio, is Consult. Engr.

✚**Canton, Ohio**—(Official)—The Board of Commissioners of Stark County has awarded the contract for rebuilding the Tuscarawas St. Bridge to the COSHOCTON CONSTRUCTION CO., Coshocton, at $10,146. The contracts for the substructure and superstructure of the Eighth St. Bridge were awarded to COX & GLASS, Kensington, at $9143, and the LACKAWANNA BRIDGE CO., Buffalo, N. Y., at $3740, respectively. Noted May 13.

Cincinnati, Ohio—Bids will be received until July 2 by the Commissioners of Hamilton County for the construction of a bridge and culverts on Cameron Rd. from Hunt Ave. to Hamilton Pike in Springfield Township. Albert Reinhardt is Clk. of Comrs.

Cincinnati, Ohio—Bids will be received until noon, June 25, by the Board of Commissioners of Hamilton County for the construction of a culvert in Cincinnati Ave. at the North Bend Pond, Miami Township. Albert Reinhardt is Clk. of Bd.

Elyria, Ohio—It is reported that bids are being received by the Commissioners of Lorain County for the construction of an 84-ft. bridge in Wellington Township, to be of steel with concrete or stone abutments. The estimated cost is $7000. J. M. Powell is County Engr. F. L. Ellenberger is Clk.

Hamilton, Ohio—Bids will be received until June 19 by W. W. Crawford, Audr. of Butler County, for the construction of a concrete bridge at the Kramer-Seward farm, Liberty Township.

St. Clairsville, Ohio—Bids will be received until June 21 by E. Campbell, Audr. of Belmont County, for the following bridge work: Steel truss superstructure and concrete abutments for the United Church Bridge in Wheeling Township; steel truss superstructure of the Pogue's Run Bridge in Richland Township; a reinforced-concrete bridge known as Chamber's Bridge in Richland Township.

Waverly, Ohio—Bids will be received until June 14 by the Board of Commissioners of Pike County for the construction of a 123-ft. steel span over Sunfish Creek. I. B. Eyler is County Audr.

✚**Grand Haven, Mich.**—(Official)—The Board of Road Commissioners of Ottawa County has awarded contracts for the construction of a bridge over the Grand River at Eastmanville to the G. W. BUNKER CO., Grand Rapids, at $14,163 for the substructure, and the JOLIET BRIDGE & IRON CO., Joliet, Ill., at $29,941 for the superstructure. Noted May 20.

Chicago, Ill.—Bids will be received until 11 a.m., June 12, by W. R. Moorhouse, Comr. of Pub. Wks., for two automatic street gates for the South Halsted St. lift bridge, and for furnishing structural steel for the repair of the Randolph St. bridge.

★✚**Chicago, Ill.**—The Union Station Co. has awarded contracts for the construction of a trunnion bascule bridge over the south branch of the Chicago River at West Monroe St. to the FITZSIMONS & CONNELL DREDGE & DOCK CO., 10 South La Salle St., Chicago, for dredging, pile driving and substructure; to the KETLER-ELLIOTT CO., 155 North Clark St., Chicago, for structural steel and erection. Noted May 20.

✚**Crystal Lake, Ill.**—The Highway Commission of McHenry County has awarded the contract for the construction of a 462-ft. bridge at Crystal Lake to J. J. O'HERON & CO., 326 West Madison St., Chicago, at $15,400. Noted Apr. 22 under Woodstock, Ill.

Milwaukee, Wis.—(Official)—Plans for the State-Martin St. Bridge are now in the hands of the War Department for approval, and as soon as this is done and the property secured, bids will be received for the construction. This will probably be late this year or early in 1916. The estimated cost of the structure is $175,000. J. C. Pinney, Jr., is Supt. of Bridges and Pub. Bldgs. Noted Apr. 1.

✚**Oconto, Wis.**—The Highway Commissioner of Oconto County has awarded the contract for the construction of two bridges to YOUNG BROS., Oconto, at $8100. One is over Mosquito Creek in the Town of Townsend, and the other over McCaslon Brook, Town of Lakewood. Each is a 40-ft. span.

✚**Northwood, Iowa**—(Official)—The Board of Supervisors of Worth County has awarded the contracts for six county bridges to the DOBSON CONSTRUCTION CO., Nora Springs, at $3336 for Nos. 3, 4, 5 and 6, and to the FOREST CITY CONSTRUCTION CO., Forest City, at $3370 for Nos. 1 and 2. Noted May 13.

✚**Tipton, Iowa**—The Board of Supervisors of Cedar County has awarded the contract for the construction of a number of county bridges to N. M. STARK & CO., Des Moines, at $8657.

✚**Toledo, Iowa**—The Board of Supervisors of Tama County has awarded the contract for the construction of 53 bridges and culverts to PAUL N. KINGSLEY, Strawberry Point, at $44,508.

Webster City, Iowa—The Board of Supervisors of Hamilton County has passed a resolution of necessity for the construction of a number of bridges and culverts in the county. A. J. Peterson is County Audr.

✚**Brainerd, Minn.**—(Official)—The Board of Commissioners of Crow Wing County has awarded the contract for redecking the Laurel St. Bridge with creosote blocks, and for repairing and redecking the Minnesota and International Ry. Bridge to the MINNEAPOLIS BRIDGE CO., Minneapolis, at $6000 and $5400 respectively. Noted May 13.

Cannon Falls, Minn.—Plans are being prepared for the construction of two concrete bridges estimated to cost $25,000. L. P. Wolff, Germania Bank Bldg., St. Paul, is Consult. Engr. George Wilson is City Clk.

Cedar, Minn.—Bids will be received until 2 p.m., June 15, by Albert Hoevet, Town Clk., for the construction of two bridges.

Deer Wood, Minn.—(Official)—The work of repairing the Mississippi River Bridge north of Deer Wood, Crow Wing County, will be done by county forces. Noted May 13.

Wabasha, Minn.—Bids will be received until 2 p.m., June 15, by the Commissioners of Wabasha County for the construction of five county bridges. John Boss is County Audr.

Bloomfield, Neb.—Bids will be received until 5 p.m., June 15, by M. T. Liewer, County Clk. of Knox County, for the construction of two county bridges.

✚**Lisbon, N. D.**—The Commissioners of Ransom County have awarded the contract for the construction of an 80-ft. steel bridge with reinforced-concrete floor to the LA MOURE CONSTRUCTION CO., La Moure, N. D. Noted Apr. 6.

Hardin, Mont.—It is reported that the Commissioners of Big Horn County will soon call for bids for the construction of two bridges, one over the Tongue River at Wyola, to cost about $5000, and the other over the Little Horn River on the Sarpy Rd., estimated to cost $10,000. Robert P. Ross is County Clk. Jesse E. Graham is County Engr.

✚**Montesano, Wash.**—The Board of Commissioners of Chehalis County has awarded the contract for the construction of three highway bridges over the Whishkah River to the COAST BRIDGE CO., Portland, Ore., at $16,448. Noted May 20.

Riverside, Wash.—Bowerman & McCloy, Consult. Engr., Seattle, is preparing plans for a new bridge over the Okanogan River near Riverside. It is reported that the town will award the contract in July for the substructure, which will consist of four concrete piers on rock and gravel foundation; cost, about $3500. Okanogan County will ask bids in October for the superstructure, to consist of one 140-ft. and two 71-ft. spans with 16-ft. roadway. Estimated cost, $6000.

Seattle, Wash.—Bids will be received until 10 a.m., June 25, by the Board of Public Works for the construction of two steel drawbridges, one at 15th Ave., N. W., and the other at Fremont Ave., to cost $460,000 and $420,000, respectively. Arthur H. Dimock is City Engr. Noted Apr. 8.

Tacoma, Wash.—(Official)—Bids will be received some time in July by Owen Woods, Comr. of Pub. Wks., for the construction of a wooden bridge, 650 ft. long and 160 ft. high, across the gulch at East 34th St. W. C. Raleigh is City Engr. Noted May 27.

Orange, Calif.—Bids will be received until July 6 by the Board of City Trustees for the construction of a reinforced-concrete bridge on East Chapman Ave. The estimated cost is $10,000.

Sacramento, Calif.—(Official)—Bids were received May 24 by the State Highway Commission, Forum Bldg., for the construction of an 80-ft. plate girder bascule bridge near the easterly side of the Yolo bypass in Yolo County, as follows: Midland Bridge Co., Kansas City, Mo., $26,862 (irregular); Ross Construction Co., Sacramento, $24,906; Seabury B. Peterson, San Francisco, $37,984; Graff Construction Co., Seattle, Wash., $35,900. The Engineer's estimate was $18,722. Noted May 20.

★**San Francisco, Calif.**—(Official)—Bids will be received until 3 p.m., June 23, by the Board of Public Works, City Hall, for the construction of a Strauss trunnion bascule bridge, including substructure and approaches, over the Channel St. waterway. Plans and specifications on file at the office of "Engineering News," 10th Ave. at 36th St., New York, N. Y.

Sespe, Calif.—The Surveyor of Ventura County, Ventura, is preparing plans for a new bridge across the Santa Clara River at Sespe. It will be about 240 ft. long, and the estimated cost is $18,000. The structure will consist of a steel superstructure on concrete abutments.

Moncton, N. B.—Bids will be received until June 16 by the Public Works Department, Fredericton, for the construction of a bridge over the Petitcodiac River between the City of Moncton, Westmoreland County, and the Parish of Coverdale, Albert County. John Morrissy, Fredericton, is Minister of Pub. Wks. Noted Mar. 4.

Ottawa, Ont.—It is reported that bids will be asked shortly for the construction of the Pretoria Ave. Bridge. F. C. Askwith is Act. City Engr. Noted Feb. 11.

Toronto, Ont.—(Official)—Bids will be received until noon, June 15, by T. L. Church, Mayor and Chn. Bd. of Control, for the construction of the Strachan Ave. Bridge over the tracks of the Canadian Pacific Ry. The work will consist of a concrete masonry substructure and concrete floor and a steel superstructure.

Toronto, Ont.—(Official)—Bids will be received until 6 p.m., June 18, by Frank Barber, Engr., 57 Adelaide St. E., for the construction of a reinforced-concrete bridge over Toole's Creek on the boundary line between York and Ontario Counties.

Virden, Man.—Bids will be received until 6 p.m., June 15, by W. Whiteford, Secy. and Treas., Municipal Bldg., Virden, for the construction of five bridges and three culverts on the Provincial Highway.

WATER SUPPLY—IRRIGATION

Lowell, Mass.—(Official)—Bids will be received until 10 a.m., June 15, by James H. Carmichael, Comr. of Water-Wks. and Fire Protection, for furnishing and installing a vertical triple expansion crank and fly-wheel pumping engine for the water-works.

✚**Salem, Mass.**—The contract has been awarded to the DONALDSON IRON CO. and the WARREN FOUNDRY & MACHINE CO., by the Council, for furnishing 3500 ft. of 36-in. water mains.

★**Hartford, Conn.**—Bids for the construction of the east dike in connection with the Nepaug reservoir system, known as Contract 9, were received June 2 by the Board of Water Commissioners, as follows: Peter Bompiani & Co., Boston, Mass., $37,876; A. D. Ambrosia, Hartford, $47,791; Berardino

& Tomasetti Co., Meriden, $41,821; F. T. Ley Co., Springfield, Mass., $43,119; Piersen Engineering & Contracting Co., Hartford, $42,460; Leonardo Suzio, Meriden, $29,180; Charles T. Eastburn Co., Yardley, Penn., $36,408; Connecticut Good Roads & Construction Co., New Britain, $33,781; Louis Longhi & Bro., Torrington, $33,672.15. Noted May 20.

Auburn, N. Y.—The Pitometer Co., New York, has been retained by the city to make a survey of the water system.

Canton, N. Y.—(Official)—At the recent election the citizens defeated the question to issue bonds for $60,000, the proceeds of which was to have been used for the construction of a filtration plant. Noted May 20.

Hilton, N. Y.—At a recent election the citizens voted in favor of issuing bonds for $49,000, the proceeds of which will be used for the construction of a water system. Noted Apr. 8.

Lindenhurst, N. Y.—The town contemplates constructing a water system. Fred Sheide is Town Superv.

★**New York, N. Y.**—(Official)—Bids will be received until 11 a.m., June 22, by the Board of Water Supply, Municipal Bldg., Borough of Manhattan, for constructing a coagulating plant in the town of Mt. Pleasant, Westchester County, under Contract No. 159. W. Bruce Cobb is Secy. of the Bd.

★**New York, N. Y.**—(Official)—Bids will be received until 11a.m., June 22, by the Board of Water Supply, Municipal Bldg., Manhattan, for furnishing and installing steel ladders, nozzles, etc., under Contract No. 106. W. Bruce Cobb is Secy.

✚**New York, N. Y.**—(Borough of Manhattan)—(Official)—The contract has been awarded to ROGERS & McMANUS, at $42,651, for laying water mains in various streets. Bids were opened May 20. Noted May 13 and 27.

New York, N. Y.—(Boroughs of Manhattan and the Bronx)—(Official)—Bids will be received until 2 p.m., June 14, by William Williams, Comr. of Water Supply, Gas and Electricity, Municipal Bldg., Manhattan, for furnishing venturi meter tubes for the Catskill supply.

New York, N. Y.—(Boroughs of Manhattan and the Bronx)—(Official)—Bids will be received until 2 p.m., June 18, by William Williams, Comr. of Water Supply, Gas and Electricity, for making alterations and improvements to the building at 1192 Fulton Ave., Bronx, and for converting it into a distributing station and for work incidental thereto.

✚**Atlantic Highlands, N. J.**—(Official)—The contract has been awarded to ROBERT W. SMITH CORPORATION, 30 Church St., New York, N. Y., at $5978, for laying water mains. Bids were received May 25. W. S. Franklin is Borough Clk. Noted May 20.

Jersey City, N. J.—Plans have been completed for the construction of the pipe line from Brookdale to the Summit Ave. reservoir for the Jersey City water supply. The estimated cost is $1,500,000. Noted Feb. 11.

✚**Newark, N. J.**—The contract has been awarded to MARKS, LISSBERGER & CO., INC., Long Island City, N. Y., at about $15,000, for furnishing the annual supply of pig lead and lead pipe for the water-works.

Morrisville, Penn.—The city has been instructed by the State Board of Health to construct a filtration plant at an estimated cost of $15,000.

✚★**Philadelphia, Penn.**—(Official)—Bids were received May 25 for the improvement of the water system as follows: Beaver Engineering & Contracting Co., New York, N. Y., $443,915; Cunningham Paving & Construction Co., $478,955; M. & J. B. McHugh, $654,594; Snare & Triest Co., $406,855; Keystone State Construction Co., $438,645; EDWIN H. VARE, 712 Lincoln Bldg., Philadelphia, at $399,963 (awarded contract); Peoples Bros., Inc., $577,250; Charles P. Bower, $424,380; Degnon Contracting Co., $413,127; American Paving & Construction Co., $450,531.

✚★**Ridgway, Penn.**—(Official)—The contract has been awarded to GEORGE I. THOMPSON & CO., Clearfield, at $4310, for enlarging the filtration plant. Other bidders were: Horn & Devling, Galeton, $4446; R. B. Tayloer, Bellefonte, $4485; M. Applegate & Son, Bradford, $7055; John T. Minns, DuBois, $4365; William Dickinson, Ridgway, $5916. Noted May 20.

Covington, Va.—According to press reports bids will be received until June 15 for the construction of a reservoir and for improvements to the water system. Harry Stevens, Union Trust Bldg., Washington, D. C., is Engr. The estimated cost is $20,000. Noted May 20.

Bluefield, W. Va.—The citizens contemplate constructing a municipal water system.

St. Marys, W. Va.—Bids will be received until noon, June 30, by the city for constructing a concrete reservoir with a capacity of 380,000 gal. E. J. Miller is City Engr. and Charles Carroll is Recdr.

Wheeling, W. Va.—C. B. Cooke, City Engr., is preparing plans for the construction of a 20,000,000-gal. water supply system from wells.

Tallapoosa, Ga.—An election will be held June 30 to vote on the question of issuing $35,000 in bonds, the proceeds of which will be used for the construction of a water system. Noted May 20.

Lakeland, Fla.—(Official)—Bids will be received about July 1 by the Schofield Engineering Co., Philadelphia, Penn., for the improvement of the water system. Plans are being prepared by the Schofield Engineering Co. J. R. Boulware is Secy. Bd. of Bond Trustees. Noted Feb. 18 and May 20.

Scottsboro, Ala.—An election will soon be held to vote on the question of issuing $5000 in bonds, the proceeds of which will be used for the enlargement of the winter system.

Boyle, Miss.—The city plans to spend $7500 for the construction of a water system. W. A. McDill is Mayor.

Columbia, Tenn.—The citizens contemplate constructing a water system at an estimated cost of $100,000.

★**Covington, Ky.**—(Official)—Bids will be received until 10 a.m., July 8, by J. Mason Howk, Comr. of Pub. Property, for furnishing 3487 tons of c.-i. pipe and 20 tons of specials for the water department.

Lexington, Ky.—Water mains will be laid by the Lexington Hydraulic & Mfg. Co. from its pumping station to Mentelle Park. The estimated cost is $25,000.

Attica, Ohio—An election will be held June 12 to vote on the question of issuing $10,000 in bonds, the proceeds of which will be used for the improvement and enlargement of the municipal water system. The W. J. Sherman Co., Toledo, is Engr. Noted Nov. 19.

✚**Cleveland, Ohio**—The contract for the construction of the superstructure of the Division Ave. pumping station has been awarded to the F. W. MARKS CONSTRUCTION CO., Leader News Bldg., Cleveland, at $233,898. Noted May 13.

Columbus, Ohio—(Official)—Bids will be received until 2 p.m., July 8, by John I. Miller, Supt. of Pub. Wks., for constructing a dam, waste weir and flood regulation gates at the east reservoir, Portage Lakes. Noted Mar. 11.

Farmersville, Ohio—Bonds for $16,000 have been voted by the citizens, the proceeds of which will be used for the construction of a water system. A. F. Gilbert is City Clk.

Lorain, Ohio—Glick & Wetzel was low bidder at $4397, for making repairs and improvements to the water system. Noted Apr. 29.

Napoleon, Ohio—Bids will be received until noon, June 14, by F. W. Reiter, Pres. Trustees Public Affairs, for constructing a water softening and filtration plant of 1,500,000 gal. capacity. Noted Feb. 18 and Mar. 4.

Wellington, Ohio—Bids will be received about July 1 for the construction of a filtration plant, the estimated cost of which is $35,000. The W. J. Sherman Co., Toledo, is Engr., and R. L. Waldon is Mayor. Noted Apr. 1 and May 20.

✚**Marion, Mich.**—The contract has been awarded to the TRAVERSE CITY IRON WORKS, Traverse City, at $7500, for constructing a water system.

Traverse City, Mich.—Bids will soon be received by the Water Department for furnishing 2000 ft. of 30-in. water pipe.

✚**Berwyn, Ill.**—(Official)—The contract has been awarded to T. H. IGLEHART, The Rookery, Chicago, at $35,342, for laying water mains in Lombard Ave. and in various other streets. Oscar N. Lindahl is Secy. Bd. of Imp. Noted May 13.

✚**Herrin, Ill.**—The contract has been awarded to the PITTSBURGH FILTRATION CO., Pittsburgh, Penn., at $18,-107, for constructing a filtration plant. Noted Feb. 18.

✚**Paris, Ill.**—The contract has been awarded to HICKEY BROS., St. Louis, Mo., at $49,412, for constructing a water system. Noted Mar. 4 and May 13.

✚**Springfield, Ill.**—The contract has been awarded to the LYNCHBURG FOUNDRY CO., Lynchburg, Va., at $22.70 per ton, by the Council for furnishing 475 tons of 6-in. water mains. Noted June 3.

Ellsworth, Wis.—An election will be held June 15 to vote on the question of issuing $7000 in bonds, the proceeds of which will be used for the improvement of the water system. C. B. Wood is Village Clk.

Fond du Lac, Wis.—Bids will soon be received by the Board of Public Works for laying water mains. J. F. Hohensee is City Clk. Noted Sept. 17.

Kohler, Wis.—(Fredonia post office)—The citizens voted in favor of installing water and sewer systems. Jerry Donohue is Engr.

River Falls, Wis.—Bids will be received until 8 p.m., June 17, by F. V. Williams, Street Comr., for laying c.-i. water mains and installing valves and hydrants.

Ames, Iowa—Bids will be received about July 1, according to press reports, by the Iowa State College for the construction of a new filtration plant at the college. The estimated cost is $15,000.

✚**Colo, Iowa**—Contracts have been awarded by the town for constructing a water system as follows: DES MOINES BRIDGE & IRON CO., Des Moines, at $7985, for laying pipe; MEMPHIS STEEL CONSTRUCTION CO., Memphis, Tenn., $2674, for tower and tank; W. F. KUCHAVO & CO., Des Moines, $2310, for building; MERKLE HINES MACHINERY CO., Omaha, Neb., $1445, for pumping machinery. Noted Apr. 22 and May 6.

Fredericksburg, Iowa—The citizens will hold an election to vote on the question of issuing $10,000 in bonds, the proceeds of which will be used for the extension of the water system.

✚**Oelwein, Iowa**—The contract has been awarded to M. TSCHIRGI & SONS, Cedar Rapids, Iowa, at $4475, for driving a well.

✚**Onslow, Iowa**—Contracts have been awarded to the DES MOINES BRIDGE & IRON WORKS, Des Moines, for constructing a tower and tank, and to THOMAS H. WOOLCOX, Oglesby, Ill., for laying water pipe. Charles P. Chase, Clinton, is Engr. Noted May 6.

Orange City, Iowa—Bids will be received until June 14, according to press reports, for the construction of water mains and for moving the water tower. The estimated cost is $10,-500. Noted May 6.

Sioux City, Iowa—The construction of an additional pumping station and the installation of a centrifugal pump is under consideration by the city. Philip Carlin is Supt. of Water-Wks.

Terril, Iowa—According to press reports bonds for $8500 have been voted by the citizens, the proceeds of which will be used for the construction of a water system.

Bird Island, Minn.—Bids will be received until June 15 by C. A. Strom, Village Recdr., for making extensions to the water system.

Duluth, Minn.—Bids will soon be received for furnishing 800 water meters. D. A. Reed is Mgr. Dept. of Water.

Robbinsdale, Minn.—The Robbinsdale Civic & Improvement Association contemplates constructing a water system at an estimated cost of $15,000.

Chanute, Kan.—Plans are being prepared by the City Engineer for the extension of the water system. C. G. Wood is City Clk.

Broken Bow, Neb.—Bids will soon be received for the construction of water and electric-light systems. Charles F. Sturtevant, Holdrege, is Engr. Noted Apr. 1 and 22.

✚Ceresco, Neb.—(Official)—The contract has been awarded to the INTER-MOUNTAIN BRIDGE & CONSTRUCTION CO., Tecumseh, at $8900, for constructing a water system. Other bidders were: A. A. Dobson Co., $9100; George Vlasnik, $9030; Elkhorn Construction Co., $9145; Katz Construction Co., $9250; A. B. Price, $9240. Grant & Fulton, Lincoln, is Engr. Noted Apr. 8 and May 13.

Milligan, Neb.—The Martz Engineering Co., Lincoln, is preparing plans for the construction of a water system. The estimated cost is $9000.

Sterling, Neb.—An election will be held June 18 to vote on the question of issuing bonds for $21,000, the proceeds of which will be used for the construction of a water system. Grant & Fulton, Security Mutual Life Bldg., Lincoln, is Engr. Noted May 6.

Syracuse, Neb.—Plans are being prepared by the Mertz Engineering Co., Lincoln, for the installation of water and electric-light systems. The estimated cost is $20,000.

Anamoosa, N. D.—Plans are being prepared for the construction of a municipal water system to cost $10,000. E. C. Waydiman is City Clk. Noted May 27.

Judith Gap, Mont.—The citizens will vote June 14 on a bond issue for $12,500, the proceeds of which will be used for the construction of a water system. Gerharz & Jaqueth, Great Falls, is Engr. Noted Apr. 1 and May 27.

Whitehall, Mont.—(Official)—See item under "Sewers."

Butler, Mo.—(Official)—Bids will be received until 2 p.m., June 22, by J. F. Smith, City Clk., for furnishing material and constructing a filtration plant. Harper & Stiles, Grand Ave. Temple, Kansas City, is Engr. Noted June 18 and July 23, 1914.

Piggott, Ark.—The city will install a water system at an estimated cost of $40,000. Albert C. Moore, Frisco Bldg., Joplin, Mo., is Consult. Engr. and J. M. Myers is Chn. Water Comn.

✚Dallas, Tex.—The contract has been awarded to J. E. FAUCETT, at about $20,000, by the Southern Methodist University for constructing part of the water system. Noted June 3.

Twin Falls, Idaho—The City Council contemplates installing a municipal water system. Noted Dec. 24.

Reno, Nev.—A water system will not be constructed as previously planned. J. R. Parry is City Clk. Noted May 29.

Aberdeen, Wash.—J. M. Phillips, Mayor, advocates bonding the city for $100,000, the proceeds of which will be used for the construction of the Wynooche water system.

Spokane, Wash.—The County Homes Water Co. will construct a water system, the estimated cost of which is $80,000.

North Powder, Ore.—The citizens are petitioning the Council to call an election to vote on the question of issuing $20,000 in bonds, the proceeds of which will be used for the construction of a water system. Noted Apr. 29.

Pendleton, Ore.—Bonds for $40,000 have been sold. The proceeds will be used for the extension of the water system.

Davis, Calif.—The Davis Water Co. is preparing plans, according to press reports, for the enlargement of its system.

Red Bluff, Calif.—A pumping plant and distributing system will be installed at the Blossom Ranch. The estimated cost is $20,000. George Stephenson is Supt.

Hespeler, Ont.—Bids are being received, according to press reports, for the construction of a water system. Bowman & Connors, Berlin, is Engr. Noted Jan. 28.

London, Ont.—Bids will soon be received for the installation of electrically operated and controlled sluice gates at the pumping station. E. V. Buchanan, City Hall, London, is Gen. Mgr., Bd. of Pub. Utilities. The estimated cost is $20,000.

Marmora, Ont.—The Council contemplates constructing a water system for fire protection at an estimated cost of $10,000. H. W. Sabine is Clk.

Windsor, Ont.—The Council plans to lay seven miles of water mains. W. A. Hanrahan is Secy.

Kamsack, Sask.—The city has authorized the improvement of the water system at an estimated cost of $35,000.

Bassano, Alta.—Bids will be received until June 19 by G. B. R. Bond, Town Clk., for furnishing one 750-gal. turbine water pump. Plans are on file with the clerk. Noted Feb. 11.

Duncan Station, B. C.—(Official)—We have been advised that the city does not intend to construct a water system. Noted Mar. 11.

SEWERS

Gonic, N. H.—The City Council has voted to appropriate $15,000 for the construction of sewers.

Boston, Mass.—Bids will be received until noon, June 11, by Patrick O'Hearn, Acting Comr. of Pub. Wks., for the construction of sewers and drains in Montmorenci Ave. from Orient Ave., 600 ft. westerly.

Boston, Mass.—Bids will be received until noon, June 15, by Patrick O'Hearn, Acting Comr. of Pub. Wks., for the construction of sewers in Temple, Hillcrest, Lorette and Elgin St.

Boston, Mass.—Bids will be received until noon, June 16, by Patrick O'Hearn, Acting Comr. of Pub. Wks., for the construction of the Mattapan Brook conduit in Delhi St.

✚Fitchburg, Mass.—(Official)—The contract for the construction of the Bemis Rd. siphon connection with the main sewer has been awarded to F. A. CASSIDY, Fitchburg, at $7258. Noted May 13.

✚Newton, Mass.—(Official)—The contract for the construction of sewers in various streets has been awarded to ANTHONY BARUFFALDI, 9 Parker Pl., Somerville, at $11,71[illegible]. Noted May 6.

Northampton, Mass.—The city contemplates appropriating $10,000 for the construction of sewers in the West St. and Hospital Hill sections and for the establishment of a pumping station.

Providence, R. I.—The city contemplates the construction of sewers in nine streets.

Danbury, Conn.—The city contemplates the construction of a sewer in Ninth Ave., estimated to cost $10,900.

★East Port Chester, Conn.—(Port Chester, N. Y., post office)—(Official)—Daley & Merritt, Port Chester, N. Y., submitted the lowest bid at $12,911 for the construction of a sewage-disposal plant. Clyde Potts, 30 Church St., New York, is Engr.

✚Huntington, N. Y.—(Official)—The contract for the construction of a sewer system and sewage-treatment works has been awarded to FRANK NORDONE, Mt. Vernon, N. Y., at $77,949. Other bids were: Fred E. Gross & Son, Yonkers, $79,302; Lincoln-Steele Fleming Co., New York, $81,523; Peter D'Amato, Newark, N. J., $86,530; Murphy Bros., Brooklyn, $86,758; Peace Bros., Flushing, $88,994; Henry W. Golden & Son, Inc., Troy, $89,078; John C. Schrade, Inc., Brooklyn, $94,788; Daly & Merritt, Port Chester, $104,101; Frank Puglia, Paterson, N. J., $114,466; North Eastern Construction Co., New York, $119,783; Joseph Jennings, Brooklyn, $130,271; Frank Merendino, Inc., Brooklyn, $155,675. George Fuller, 170 Broadway, New York, is Engr. Noted May 27.

Kenmore, N. Y.—(Official)—At a recent election the citizens voted to issue $20,000 in bonds, the proceeds of which will be used for the construction of a sewer system. E. W. Johnson is Village Clk. Noted May 20.

✚Medina, N. Y.—The contract for the construction of an addition to the sewer system has been awarded to FRANK S. & ANTONY SPOSATO, 406 North Clinton St., Syracuse, at $4176.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received June 2 by L. H. Pounds, Borough Pres., for sewer construction, as follows: (a) constructing sewers in Ave. I and East 3rd St., (b) constructing sewers in Eastern Parkway and Classon Ave., (c) constructing sewers in West 37th St. and Surf Ave., (d) constructing sewers in Hemlock St., (e) constructing sewer basins in Coney Island Ave., (f) repairing sewers in McKibbon St., D. Donegan Co., (a) 79%, (b) 97%, (c) 84%; F. Merrindino, Inc., (a) 83.5%, (b) 120%, (e) 125%; Stanhope Contracting Co., (a) 90%, (b) 115.44%, (f) 125%; P. Tomasetti, (a) 73.41%, (b) 129%, (c) 79%, (e) 110%; J. A. Morrison, (a) 96.07%; Murphy Bros., (a) 74 [illegible]%, (c) 81%, (f) 109%; B. Paconi & Sons, (a) 74%, (d) 95%; A. A. Dumproff, (a) 79%, (b) 85%, (c) 103%, (d) 105%, (e) 100%, (f) 110%; Joseph Jennings, (a) 92.85%, (b) 128%, (c) 89.3%, (d) 104%, (f) 90%; S. Paconi & Sons, (a) 72.5%, (e) 125%; A. Soreano, (a) 85%; Ward & Tully, Inc., (c) 111%; T. A. Pellagrino Construction Co., (a) 86.66%, (d) 113.93%, (f) 87.94%; P. J. Donlin Contracting Co., (c) 85%, (f) 95%.

✚New York, N. Y.—(Borough of Manhattan)—(Official)—The contract for the construction of sewers in Liberty St. from Nassau to Broadway has been awarded to the LACONIA CONSTRUCTION CO., at $5778. Noted June 3.

✚Oswego, N. Y.—(Official)—Bids were received June 1 by the Department of Public Works for sewer construction as follows: ARTHUR J. SHAW, Batavia, Contract L, $4929, Contract M, $2359, Contract N, $10,693, Contract O, $1507, Contract P, $2958 (awarded contracts); E. J. Schem, Fulton, Contract N, $12,810; James Fennell, Oswego, Contract N, $12,905, Contract O, $2000, Contract P, $3724; Angelo Falvo, Oswego, Contract L, $6940, Contract M, $2776, Contract N, $11,612, Contract O, $1566, Contract P, $3338; Antonia Mondo, Syracuse, Contract L, $6426, Contract M, $2645, Contract N, $16,766, Contract O, $1786, Contract P, $3175; Samuel Bonn, Syracuse, Contract L, $7371, Contract M, $2890, Contract N, $14,206, Contract O, $2071, Contract P, $4120; Charles Bonn, Syracuse, Contract L, $6458, Contract M, $3019, Contract O, $1571, Contract P, $3506; Luciano Tremiti, Oswego, Contract M, $2836, Contract O, $2125, Contract P, $1258; Raffaelo Compo, Oswego, Contract M, $2946, Contract P, $4654; Joseph Zaia, Oswego, Contract M, $3107; Bati & Lafurtuna, Oswego, Contract O, $1661. Charles W. Linsley is Comr. of Pub. Wks. Noted May 27.

Perrysburg, N. Y.—Bids will be received until 11 a.m., June 16, by F. G. Ward, Comr. of Pub. Wks., for the construction of a sewage-disposal plant.

✚Syracuse, N. Y.—The contract for the construction of a sewage-disposal plant has been awarded to the P. J. SULLIVAN CO., at $7835. Noted May 27.

Atlantic Highlands, N. J.—An election will soon be held to vote on the question of issuing $25,000 in bonds, the proceeds of which will be used for the construction of sewers.

Bayonne, N. J.—Bids will be received until 4 p.m., June 15, by the Board of Commissioners for the construction of a portion of the main sewer in the Second and Fifth Wards.

Camden, N. J.—Bids will be received until 8 p.m., June 21, by the Street and Highway Committee for the construction of sewers in various streets. Noted May 13.

Cliffside Park, N. J.—(Cliffside post office)—(Official)—Bids will be received until 8 p.m., June 14, by the City Council for the construction of Section 1 of the trunk sewer line. P. E. Brundage is Borough Clk.

✚Haddonfield, N. J.—The contract for the construction of storm sewers has been awarded to MANWARING & CUMMINGS, Philadelphia, Penn., at $6634.

Pitman, N. J.—The city contemplates the construction of a sewer system and two sewage-disposal plants. The estimated cost is $91,000.

Prospect Park, N. J.—(Paterson post office)—Plans are being prepared for the construction of a sewage-disposal plant. H. J. Harder, City Hall, Paterson, is Engr.

Woodbridge, N. J.—Bids will be received until 8:30 p.m., June 16, by the Township Committee for the construction of 10- and 8-in. vitrified pipe sewers in connection with the Port Reading sewer project. A. Keyes is Clk.

Beaver Falls, Penn.—At a recent election the citizens voted to issue $40,000 in bonds, the proceeds of which will be used

for the construction of a sewage-disposal plant, an outfall sewer and for the completion of a sanitary sewer system. Noted Apr. 15.

✚Ebenburgh, Penn.—The contract for the construction of a sewage-disposal plant has been awarded to the PITT CONSTRUCTION CO., Pittsburgh, at $22,300. Other bids were: C. H. Haggart, $28,937; Loomis & King, $27,139; Dickey, $26,249. Noted May 13.

Scranton, Penn.—Plans have been prepared for the construction of 33,723 ft. of sewers in the 21st Ward. W. M. Shunk is City Engr.

South Brownsville, Penn.—Bids will be received until noon, June 14, by T. A. Waggoner, Borough Secy., for the construction of sewers. L. G. Moslener is Borough Engr.

✚Baltimore, Md.—The contract for the construction of storm water drains in various streets has been awarded to SLACK & SLACK CO. at $99,933.

Easton, Md.—The contract for the construction of sludge and sand filter beds at the sewage-disposal plant, and for extending the south outfall sewer will probably be awarded to C. W. Sigman, Easton, at $14,400. Noted May 6.

Dayton, Va.—See item under "Light, Heat and Power."

Mill Creek, W. Va.—The city contemplates the construction of a sewer system. Burton Wilson is Engr.

Winston Salem, N. C.—Bids will be received until June 15 by the city for the construction of a reinforced-concrete sewage-disposal plant and extending the sewers about 2½ miles. J. L. Ludlow is Engr. and L. F. Owen is Chn. of Sewer Com. Noted Oct. 8.

Tallapoosa, Ga.—At a recent election the citizens voted in favor of issuing $5000 in bonds, the proceeds of which will be used for the construction of sewers. Noted May 20.

✚Miami, Fla.—The contract has been awarded to J. J. QUINN CO. for constructing about six miles of sewers. This is the third section of the 18-mile sewer contract.

Tampa, Fla.—Bonds for $250,000 have been voted, the proceeds of which will be used for the completion of a sewer system. R. H. Martin is City Engr. Noted Apr. 29.

Okolona, Miss.—Bids will be received until 8 p.m., June 18, by J. H. Davis, City Clk., for sewer construction. Frank L. Wilcox, Syndicate Trust Bldg., St. Louis, Mo., is Engr.

Lexington, Ky.—Preliminary plans are being prepared by S. T. Crecelius, Engr., Louisville, for the construction of a sewage-disposal plant. Noted June 3.

✚Cincinnati, Ohio—(Official)—The contract for sewer construction has been awarded to WELLING & FRANZ, Cincinnati, at $37,177. Noted May 6.

✚Cleveland, Ohio—(Official)—The contract for the construction of the Superior Ave. sewer has been awarded to the AMATA CONSTRUCTION CO., Cleveland, at $23,239. Noted June 3.

Defiance, Ohio—(Official)—All bids received June 1 for sewer construction have been rejected. New bids will be received until June 17 by Clayton M. Rath, Dir. of Pub. Ser. Noted May 27.

Findlay, Ohio—(Official)—Bids were received June 5 by the Director of Public Service for the construction of Hagerman Run Conduit as follows: S. Renick, Findlay, $20,635; Marion Construction Co., Marion, $22,930; Summers & Hardin, Lima, $21,585; William Wilson, Findlay, $25,000; Whaley & Edwards, Milan, Mich., $25,291. H. A. Glathart is City Engr. Noted June 3.

Geneva, Ohio—Bids will soon be received by W. E. Morgan, Clk., for the construction of a sewage-disposal plant. The estimated cost is $27,000.

Lindenwald, Ohio—(Hamilton post office)—Plans are being prepared for the construction of a sewage-disposal plant and a sewer system. Frank E. Weaver is City Engr.

✚Marion, Ohio—The contract for the construction of sewers in Indiana Ave. has been awarded to SCOTT & WESTON, at $16,195; to HARRY KOHBARGER, at $6318, for constructing sewers in Pleasant St. Noted Apr. 29.

✚Rittman, Ohio—(Official)—The contract for the construction of a sewer system has been awarded to SHULLO BROS. & NICKELES, Canton, at $18,198. The six next lowest bids were: E. M. Scheflow, Elgin, Ill., $19,998; William H. Hunt & Son, Akron, $20,661; McLoughlin Construction Co., Pittsburgh, Penn., $20,764; Boyd & Cook, Dayton, $20,907; W. J. Irvin, Greenville, $21,731; C. A. Pierce, Rittman, $24,366. There were 18 bidders. Noted May 6.

✚Rittman, Ohio—(Official)—The contract for the construction of a sewage-treatment plant has been awarded to C. A. PIERCE, Rittman, at $29,045. Other bids were: Thomas P. Egan, Cleveland, $33,120; W. S. Newhall, Cleveland, $33,458; Kent Construction Co., Kent, $32,362; T. Wildeson & Son, Mansfield, $32,332; Pitt Construction Co., Pittsburgh, Penn., $32,205; J. M. Bick, Toledo, $32,699; Dequesne Contracting Co., Pittsburgh, Penn., $35,686; J. C. Devine Co., Alliance, $36,029; C. N. Haggart, Pittsburgh, Penn., $35,332; Lowensohn & Ule, Cleveland, $34,609; R. T. Bailey, Kent, $32,689; W. H. Ralstron, Mt. Vernon, $35,026. R. Winthrop Pratt, Cleveland, is Consult. Engr. Noted May 6.

Zanesville, Ohio—Bids will be received until noon, June 21, by the Director of Public Service for the construction of sanitary sewers, also for improving sewers in Kelley St.

Frankfort, Ind.—(Official)—Bids will be received until 2 p.m., June 17, by C. H. Cohee, City Clk., for the construction of the South West District sanitary sewer and the South West Local sanitary sewer. The estimated cost is $14,650. R. H. Boynton is City Engr. Noted June 3.

Flint, Mich.—Bids will be received until 3 p.m., June 16, by D. E. Newcombe, City Clk., for the construction of sanitary sewers.

Grand Rapids, Mich.—Bids will be received about July 1 for the construction of six miles of 8- to 18-in. pipe sewers and a sewage-disposal plant. The estimated cost is $50,000 and $10,000, respectively. James R. Rumsey, 400 Houseman Bldg., East Grand Rapids, is Engr.

Chicago, Ill.—Bids will be received until June 24 by John McGillen, Clk., Sanitary Dist., for the construction of the Calumet Intercepting Sewer, Contract No. 3.

Ottawa, Ill.—Bids will be received until 10 a.m., June 14, by the Board of Local Improvements for the construction of a sewer system.

✚Peoria, Ill.—The contract for the construction of the northwestern section of the North Peoria sewer has been awarded to the A. D. THOMPSON CO. at $5128. Noted June 3.

✚Rockford, Ill.—The Board of Local Improvements has awarded the contract to TOLE & CO., at $4000, for the construction of sewers in Adams, Crosby and Montague St.

✚Green Bay, Wis.—The contract for sewer construction has been awarded to C. P. FLATLEY, Green Bay. Bids were opened May 27.

Kohler, Wis.—(Fredonia post office)—See item under "Water Supply—Irrigation."

✚Kenosha, Wis.—The contract for the construction of the 1915 plan of storm sewers has been awarded to A. H. PRANGE, Grand Rapids, Mich., at approximately $102,000.

Milwaukee, Wis.—John F. Casey Co., 1214 Oliver Bldg., Pittsburgh, Penn., submitted the lowest bid at $193,422 for the construction of intercepting sewers and for making connections with the West Side sewer.

Racine, Wis.—Bids will be received until 10 a.m., June 12, by the Board of Public Works for the construction of sewers in Washington Ave. from West Blvd. to Lathrop Ave.

Ripon, Wis.—(Official)—No bids were received May 31 by the Board of Public Works for the reconstruction of the southeastern bed of sewers. C. L. Pratt is City Engr. and J. W. Pierce is City Clk. Noted May 6.

✚Waukesha, Wis.—The Board of Public Works has awarded the contract for the construction of 7364 lin.ft. of sanitary sewers to FRANK C. CARYLL, Waukesha, at $4584.

✚West Allis, Wis.—(Official)—The contract for the construction of sewers has been awarded to the PUBLIC SERVICE CONSTRUCTION CO., Omaha, Neb., at $8071. Other bids were: A. C. Schrertis, Manitowoc, $8439; Kroening Construction Co., Milwaukee, $8703; F. E. Kaminski, Watertown, $9134; James B. Forristal, Milwaukee, $9229; C. J. Mority, West Allis, $9389. Noted May 13.

Clinton, Iowa—Bids will soon be received for the construction of approximately 1½ miles of sewers in District No. 2. J. G. Thorne is Engr.

Lake Mills, Iowa—(Official)—Bids will be received until 7 p.m., June 14, by O. N. Styve, Town Clk., for the construction of a sewer system and a sewage-disposal plant. The estimated cost is $25,000. Noted May 20.

✚Mt. Ayr, Iowa—(Official)—The contract for the construction of a sewer has been awarded to the MATHEWS CONSTRUCTION CO., Kansas City, Mo., at $32,071. E. T. Archer & Co., 406 New England Bldg., Kansas City, Mo., is Engr.

Duluth, Minn.—The City Council contemplates appropriating $10,000 for the construction of storm sewers and $13,000 for the construction of sanitary sewers.

✚Duluth, Minn.—The contract for furnishing sewer material for the season of 1915 has been awarded to the DULUTH BUILDERS' SUPPLY CO. at $18,695.

Rochester, Minn.—Bids will soon be received for the construction of sewers. J. C. Utton is City Engr.

✚St. Peter, Minn.—The contract for sewer construction has been awarded to L. OVERN, at $7220.

Winona, Minn.—Preliminary plans are being prepared by H. B. Walling, City Engr., for the construction of sewers.

Omaha, Neb.—Low bids for sewer work were received by the Sewer Commission from: J. J. Hannigan Co., at $18,230, for sewers in 51st St. and Poppleton Ave.; A. G. Schreiber, at $1180 and $53,495, respectively, for sewers in Grant St. and Miller Park. Noted June 3.

Mandan, N. D.—The city contemplates the construction of storm sewers estimated to cost $35,000.

Minot, N. D.—E. J. Thomas, City Engr., is preparing plans for the construction of sewers east and south of Riverside Park. The estimated cost is $20,000.

Whitehall, Mont.—(Official)—The city contemplates the construction of a sewer system and water-works. The estimated cost is $30,000. George E. Baker is City Engr.

★Kirksville, Mo.—(Official)—Bids will be received until 7 p.m., June 28, by C. E. Murrell, Mayor, for the construction of storm sewers in the Joint Storm Sewer District No. 3. C. V. Dowing is Engr. and O. D. McKasson is City Clk.

Beaumont, Tex.—At a recent election the citizens voted to issue $30,000 in bonds, the proceeds of which will be used for the construction of sewers. C. L. Scherer is City Engr. Noted May 6.

✚Dallas, Tex.—The Southern Methodist University has awarded the contract to the WINSLETT-ELDRERGE CO., at $6000, for constructing about one mile of 10-in. sewer. This will complete the main sewer work on the campus.

Tulsa, Okla.—The city contemplates holding an election to vote on the question of issuing $100,000 in bonds, the proceeds of which will be used for the construction of sewers. T. C. Hughes is City Engr.

Enumclaw, Wash.—The City Council contemplates the construction of sewers in Cole, Well, Porter and Marion St. and in Lincoln and Monroe Ave. The estimated cost is $11,000.

Olympia, Wash.—The city will construct a trunk sewer in Franklin St. from Maple Park to 11th St. The estimated cost is $12,000.

Seattle, Wash.—According to the report submitted to the City Council by A. H. Dimock, City Engr., the estimated cost of constructing the Ballard Trunk sewer is $408,654.

Forest Grove, Ore.—It is reported that the City Council is considering plans for the construction of a sewer system.

Portland, Ore.—Plans are being prepared by E. Sharp, Engr., for the reconstruction of the Tanner Creek sewer from

Washington St. to the Willamette River. The estimated cost is $300,000.

El Centro, Calif.—(Official)—At a recent election the citizens voted to issue $250,000 in bonds, the proceeds of which will be used for the construction of a sewer system.

Fresno, Calif.—The Board of Trustees contemplates holding a special election to vote on the question of issuing $300,000 in bonds, the proceeds of which will be used for the improvement of the sewer system and for constructing an outfall sewer.

Imperial, Calif.—(Official)—Bonds for $65,000 have been voted, the proceeds of which will be used for the construction of part of a sewer system that will pass through the city from El Centro.

Sacramento, Calif.—The city contemplates the construction of a 10-in. vitrified ironstone pipe sewer in Freeport Rd. from Burnside to El Dorado Ave. The estimated cost is $5000.

✚Sacramento, Calif.—The contract for the construction of Unit No. 1 of the trunk line sewer in Riverside Rd. has been awarded to the MATTHEWS CONSTRUCTION CO., Forum Bldg., Sacramento, at $42,460. Noted May 27.

✚Stratford, Ont.—The contract for 6200 ft. of 48-in. and 5400 ft. of 36-in. sewer pipe has been awarded to BRENNAM & HOLLINGSWORTH, Hamilton, at $25,891.

GARBAGE

Buffalo, N. Y.—Bonds for $80,000 have been voted by the Council, the proceeds of which will be used for the removal of garbage. Noted Oct. 29.

✚New York, N. Y.—(Official)—The contract has been awarded to the PRODUCTS MFG. CO., 2 Rector St., at $44,730, by the Department of Health, for the removal of night soil. Noted May 13 and 27.

✚Sheboygan, Wis.—The contract for constructing a garbage disposal plant has been awarded to C. E. HUNTER CO., at $8785. Noted Dec. 24 and May 20.

Joplin, Mo.—At a recent election the citizens voted against the question of issuing bonds for $12,500, the proceeds of which was to have been used for the installation of an incinerator. Noted Jan. 21 and May 20.

STREETS AND ROADS

Bangor, Maine—Bids will be received until 11 a.m., June 18, by the State Highway Commission for constructing a section of the State Highway. L. H. Nelson is Chn. of Comn.

✚Derry, N. H.—The contract for constructing the Rockingham Rd. in Salem and Derry has been awarded to ANTONIO PALLOTTE, 117 Crosby St., Lowell, Mass. Noted May 20.

✚Boston, Mass.—The contract for the construction of a section of the State Highway in Sutton and Uxbridge Townships has been awarded to P. A. MOYNIHAN, South Hamilton, at $36.20. Other bids were: C. E. Horne, Millbury, $3840; R. H. Newell, Uxbridge, $3896; H. M. Ellison Uxbridge, $4560; Webster & Gridley Contracting Co., Webster, $4600; Perini Construction Co., Ashland, $4616; F. E. Ellis, Melrose, $4640; O. G. Benedict, Pittsfield, $5300; Way & Cellili, Springfield, $5490; Middlesex Contracting Co., Hudson, $5740; Martin de Mateo Co., Roxbury, $8600; Thomas Kelley & Co., Roxbury, $11,890. Noted May 27.

Boston, Mass.—(Official)—Bids will be received until noon, June 11, by the Commissioner of Public Works for constructing a bituminous macadam roadway in Augustus Ave. from Poplar St. to beyond Clarendon Ave., West Roxbury District. P. O'Hearn is Acting Comr. of Pub. Wks.

✚Boston, Mass.—The contract for paving with asphalt Mayhew St. from Boston to Roseclair St. in Dorchester District has been awarded to the CHARLES J. JACOBS CO., at $7444. Noted May 20

Brookline, Mass.—Bids will be received until 4 p.m., June 14, by the Board of Selectmen for laying about 9000 sq.ft. of wooden block in Washington St. Henry A. Varney is Town Engr.

Northampton, Mass.—The city plans to pave North King St. with asphalt, at an estimated cost of $30,000. As this connects with the State Highway the State Highway Commission will contribute $19,000 toward the cost.

✚Providence, R. I.—The contract for reconstructing 4765 ft. of state highway in Warwick has been awarded to AMOS D. BRIDGE'S SONS, INC., Hazardville, at $8444.

Hartford, Conn.—Bids were received June 1, by Charles Bennett, State Highway Comr., for constructing roads as follows: Milford Township, about 21,360 sq.yd. 3-in. bituminous macadam surfacing using (a) tar or (b) asphalt as binder: Kellogg & Gregory Co., Danbury, (a) $18,598, (b) $22,657; Leonardo Suzio, Meriden, (a) $20,910, (b) $23,367; Goodman & Trumbull Co., Litchfield, (a) $17,248, (b) $17,087; Connecticut Good Roads & Construction Co., New Britain, (a) $21,296, (b) $25,301; John De Michiel & Bro., Torrington, (a) $23,170, (b) $24,344; B. D. Pierce, Jr., Co., Bridgeport, (a) $17,397, (b) $23,271; C. W. Blakeslee & Sons, New Haven, (a) $18,981, (b) $22,746; Thomas Kearney, Meriden, (a) $19,099, (b) $22,768; R. D. Daley Contracting Co., New Haven, (a) $17,723, (b) $19,058; Charles T. Eastburn Co., Yardley, Penn., (a) $21,841, (b) $24,458; A. D. Bridge's Sons, Inc., Hazardville, (a) $19,497, (b) $23,230, using Texas binder, $19,230. Andover Township, about 7300 lin.ft. native stone macadam on the Hebron Rd.: Ahern Construction Co., Willimantic, $12,238; Alco Construction Co., 178 North St., Boston, Mass., $11,748; A. Brazos & Sons, Middletown, $13,784; Archie B. Cadwell, New Britain, $11,479; Piersen Engineering & Contracting Co., Hartford, $14,192; Goodman & Trumbull Co., Litchfield, $11,882; A. D. Bridge's Sons, Inc., Hazardville, $12,383; Robert G. Miller Contracting Co., Hartford, $12,643; Frank A. Wilcox, Norwich, $13,122; Stafford & Mather, Hartford, $13,433. Barkhamsted Township, about 6160 lin.ft. native stone macadam on the Pleasant Valley Rd.: Kellogg & Gregory Co., Danbury, $15,042; Leonardo Suzio, Meriden, $14,673; Goodman & Trumbull Co., Litchfield, $15,802; Archie B. Cadwell, New Britain, $12,316; A. Brazos & Sons, Middletown, $17,366; B. D. Pierce, Jr., Co., Bridgeport, $13,023; John de Michiel & Bro., Torrington, $11,181; Stafford & Mather, Hartford, $13,395; Piersen Engineering & Contracting Co., Hartford, $15,987; Louis Longhi & Bro., Torrington, $13,572; A. B. Bozzi, 54 Lewis St., Torrington, $13,169. Somers Township, about 3198 lin.ft. native stone macadam on the Somers-Stafford Rd.: Donahue Bros., Middletown, $8118; A. D. Bridge's Sons, Inc., Hazardville, $5888; John de Michiel & Bro., Torrington, $7120. Hartford City, about 13,790 sq.yd. concrete roal using washed (a) or unwashed (b) sand on Maype Ave.: B. D. Pierce, Jr., Co., Bridgeport, (a) $22,549, (b) $21,145; Piersen Engineering & Contracting Co., Bristol, (a) $20,293, (b) $19,871; Connecticut Good Roads & Construction Co., New Britain, (a) $24,979, (b) $23,799; W. T. Ryan Construction Co., Barker St., Hartford, (a) $20,677, (b) $20,115; A. C. Sternberg, Jr., Construction Co., West Hartford, (a) $18,872, (b) $18,451; O'Neil Bros., Hartford, (a) $19,128, (b) $18,482; Connecticut Hassam Paving Co., New Haven, (a) $21,741, (b) $20,336; Leonardo Suzio, Meriden, (a) $18,343, (b) $17,949; Thomas Kearney, Meriden, (a) $22,624, (b) $18,410. Hartland Township, about 8300 lin.ft. native stone macadam: B. D. Pierce, Jr., Co., Bridgeport, $14,780; Archie B. Cadwell, New Britain, $14,892; Kellogg & Gregory Co., Danbury, $13,621; Leonardo Suzio, Meriden, $13,869; Stafford & Mather, Hartford, $13,638; Piersen Engineering & Contracting Co., Hartford, $15,116; A. Brazos & Sons, Middletown, $18,608; Louis Longhi & Bro., Torrington, $12,293; Goodman & Trumbull Co., Litchfield, $14,544; John de Michiel & Bro., Torrington, $10,715. Noted May 20.

✚★Albany, N. Y.—(Official)—Bids were received June 1 by Edwin Duffey, State Highway Comr., and contracts awarded for improving roads in various counties as follows:

Repair Contract No. 778, Albany County, 16.25 miles: JOHN P. DUGAN & CO., Amsterdam, $10,062 (awarded contract); W. L. Lawton, Glens Falls, $10,499; Gleason & Davitt, Albany, $10,545; M. F. Dollard, Albany, $10,683; George Holler, Albany, $10,807.

Repair Contract No. 716, Chenango County, 5.21 miles: NASH & GRIFFIN, Norwich, $1100 (awarded contract); John H. Gordon, Albany, $1106; Paddleford & King, Sherburne, $1225; Harry W. Roberts & Co., Utica, $1302; Richard Hopkins, Troy, $1354; Rhodes & Adams, Smithville Flats, $1426.

Repair Contract No. 693, Chenango County, 8.92 miles: NASH & GRIFFIN, Norwich, $4485 (awarded contract); Connors & Gallivan, Elmira, $4622; Paddleford & King, Sherburne, $4682; Harry W. Roberts & Co., Utica, $4704; Rhodes & Adams, Smithville Flats, $4749; Richard Hopkins, Troy, $4897.

Repair Contract No. 770, Clinton County, 14.15 miles: RICHARD HOPKINS, Troy, $5293 (awarded contract); Boynton & McNally, Keeseville, $5888; James Conway, Plattsburg, $5972; Spellman-Oliver Co., Chateaugay, $6120; Connors & Gallivan, Elmira, $6322.

Repair Contract No. 750, Cortland County, 13.37 miles: PATHFINDER CONSTRUCTION CO., INC., Fulton, $3694 (awarded contract); Richard Hopkins, Troy, $3728; Nash & Griffin, Norwich, $3857; A. L. Call, Cortland, $4052; John H. Weidman, Syracuse, $4126; McGreevey, McGuigan & Baum Construction Co., Elmira, $4230; Dana W. Robins Co., Inc., New York, $4913.

Repair Contract No. 719, Delaware and Schoharie Counties, 31.82 miles: PAUL GSANGER, Monsey, $7095 (awarded contract); Nash & Griffin, Norwich, $7888; Richard Hopkins, Troy, $8012; Schunnemunk Construction Co., Highland Mills, $8104; John P. Dugan & Co., Amsterdam, $8527.

Repair Contract No. 779, Erie County, 29.03 miles: FRED W. KNICKENBERG, Buffalo, $12,591 (awarded contract); Dale Engineering Co., Inc., Utica, $13,693; John M. Hackett, Dunkirk, $14,517; John W. Landel, Tonawanda, $14,949.

Repair Contract No. 769, Essex County, 15.03 miles: DEFIANCE CORPORATION, Ticonderoga, $6441 (awarded contract); W. L. Lawton, Glens Falls, $6492; Boynton & McNally, Keeseville, $6874.

Repair Contract No. 771, Essex County, 15.05 miles: JOHN F. LEWIS, Albany, $4819 (awarded contract); Deflance Corporation, Ticonderoga, $4826; Boynton & McNally, Keeseville, $4958; W. L. Lawton, Glens Falls, $5494.

Repair Contract No. 773, Fulton County, 19.90 miles: WILLIAM J. MORRISSEY, Saratoga Springs, $5828 (awarded contract); Clarence Welsh & Co., Gloversville, $6721; John P. Dugan & Co., Amsterdam, $7028; Dale Engineering Co., Utica, $7097; De Barber & Hill, Fulton, $7412; R. D. Cooper, Little Falls, $7733; Eastover Construction Co., Inc., Utica, $8991.

Repair Contract No. 661, Herkimer County, 25.35 miles: JOHN P. DUGAN & CO., Amsterdam, $7433 (awarded contract); Harry W. Roberts & Co., Utica, $8121; De Barber & Hill, Fulton, $8380; S. A. Seymour, Herkimer, $8569; R. D. Cooper, Little Falls, $8976; Eastover Construction Co., Inc., Utica, $10,181; John A. Jova, Inc., Newburgh, $10,181.

Repair Contract No. 766, Jefferson and St. Lawrence Counties, 23.18 miles: RICHARD HOPKINS, Troy, $9355 (awarded contract); Arthur F. McConville, Ogdensburg, $10,753; De Barber & Hill, Fulton, $10,827; Deflance Corporation, Ticonderoga, $10,976; Young & Hyde, New York, $12,754; James E. Martin, Utica, $13,042.

Repair Contract No. 733, Madison County, 12.90 miles: NASH & GRIFFIN, Norwich, $4788 (awarded contract); De Barber & Hill, Fulton, $4790; Richard Hopkins, Troy, $4963; Harry W. Roberts & Co., Utica, $4970.

Repair Contract No. 724, Monroe County, 21.36 miles: RIBSTINE-HOLTER CO., INC., Rochester, $5630 (awarded contract); Dale Engineering Co., Utica, $5668; Crouch Bros., Rochester, $5727.

Repair Contract No. 681, Montgomery County, 14.96 miles: WILLIAM J. MORRISSEY, Saratoga Springs, $5009 (awarded contract); Charles Scott, Fort Plain, $5558; John P. Dugan & Co., Amsterdam, $5622; Harry W. Roberts & Co., Utica, $5925; De Barber & Hill, Fulton, $5978; R. D. Cooper, Little Falls, $6191; James E. Martin, Utica, $7542.

Repair Contract No. 765, Montgomery County, 2.50 miles: JOHN P. DUGAN & CO., Amsterdam, $2533 (awarded contract); Clarence Welsh & Co., Gloversville, $2779; James E. Martin, Utica, $3191.

Repair Contract No. 717, Orange County, 5.94 miles: SCHUNNEMUNK CONSTRUCTION CO., Highland Mills, $2006 (awarded contract); James L. Kehoe, Newburgh, $2468; Thomas J. Martin, Beacon, $2281; Conway Bros. & Kennedy, Eddyville, $2397; William Doyle, Saugerties, $2412; John A. Jova, Inc., Newburgh, $2462; Paul Gsanger, Monsey, $2686.

Repair Contract No. 776, Orange County, 3.22 miles: SCHUNNEMUNK CONSTRUCTION CO., Highland Mills, $19,045 (awarded contract); James L. Kehoe, Newburgh, $19,783; Blankfield & Donovan, Kingston, $19,789; Port Jervis Construction Co., Port Jervis, $20,484; Paul Gsanger, Monsey, $20,541; Thomas J. Martin, Beacon, $21,393; William Doyle, Saugerties, $21,867; Juniata Co., Philadelphia, Penn., $22,685; Connors & Gallivan, Elmira, $23,149.

Repair Contract No. 657, Otsego County, 6.19 miles: SCHUNNEMUNK CONSTRUCTION CO., Highland Mills, $6444 (awarded contract); Connors & Gallivan, Elmira, $2560; Lane Construction Corporation, Meriden, Conn., $6661; George Holler, Albany, $6675; Sherman Contracting Co., Inc., Oneonta, $6779.

Repair Contract No. 777, Rensselaer County, 2.34 miles: GLEASON & DAVITT, Albany, $5158 (awarded contract); Thomas H. Karr, Troy, $5230; James J. Rigney, Rensselaer, $5385; Richard Hopkins, Troy, $5614; County Construction Co., Troy, $5626.

Repair Contract No. 761, Rensselaer County, 22.99 miles: PAUL GSANGER, Monsey, $6795 (awarded contract); the Defiance Corporation, Ticonderoga, $7981; B. Gaffney & Sons, Saratoga Springs, $8518; Gleason & Davitt, Albany, $8537; W. L. Lawton, Glens Falls, $8925; Thomas H. Karr, Troy, $9170; George Holler, Albany, $9383; Richard Hopkins, Troy, $9439; County Construction Co., Troy, $9709; McLaughlin Co., Whitehall, $10,153.

Repair Contract No. 780, St. Lawrence County, 5 miles: ARTHUR F. McCONVILLE, Ogdensburg, $27,410 (awarded contract); Flood & Van Wirt Co., Hudson Falls, $28,898; Eggleston & Garthwaite, Yonkers, $30,638; Richard Hopkins, Troy, $30,863; Young & Hyde, New York, $31,932; James E. Martin, Utica, $33,928.

Repair Contract No. 715, Saratoga County, 20.59 miles: PAUL GSANGER, Monsey, $6731 (awarded contract); W. H. Gailor, Saratoga Springs, $7091; John P. Dugan & Co., Amsterdam, $7113; William J. Morrissey, Saratoga Springs, $7434; William L. Sherrill, Hudson Falls, $7513; Gleason & Davitt, Albany, $7538; W. L. Lawton, Glens Falls, $7840; George Holler, Albany, $8238; McLaughlin Co., Whitehall, $8320; County Construction Co., Troy, $8588.

Repair Contract No. 768, Schenectady County, 18.88 miles: JOHN P. DUGAN & CO., Amsterdam, $10,754 (awarded contract); J. J. Malloy, Schenectady, $11,740.

Repair Contract No. 764, Steuben County, 4.28 miles: McGREEVEY, McGUIGAN & BAUM CONSTRUCTION CO., Elmira, $22,925 (awarded contract); Kennedy Construction Co., Albany, $23,010; John C. Bradley, Corning, $23,471; Connors & Gallivan, Elmira, $25,632; Juniata Co., Philadelphia, Penn., $27,208; Young & Hyde, New York, $27,323.

Repair Contract No. 714, Sullivan County, 3.56 miles: NASH & GRIFFIN, Norwich, $997 (awarded contract); D. C. Bonnell, Liberty, $1048.

Repair Contract No. 772, Warren County, 15.38 miles: DEFIANCE CORPORATION, Ticonderoga, $7030 (awarded contract); William L. Sherrill, Hudson Falls, $7102; Gleason & Davitt, Albany, $7358; W. L. Lawton, Glens Falls, $7497; C. J. Reardon, Glens Falls, $7669; Boynton & McNally, Keeseville, $8610.

Repair Contract No. 760, Washington County: JOHN P. DUGAN & CO., Amsterdam, $10,082 (awarded contract); Richard Hopkins, Troy, $10,494; William L. Sherrill, Hudson Falls, $10,502; W. L. Lawton, Glens Falls, $10,798; Gleason & Davitt, Albany, $11,296; Defiance Corporation, Ticonderoga, $11,147; George Holler, Albany, $11,712; McLaughlin Co., Whitehall, $11,848. Noted May 13.

★Albany, N. Y.—(Official)—Bids were received June 4, by Edwin Duffey, State Highway Comr., for constructing roads as follows:

Road No. 1279, Albany County, 3.41 miles: Curran Corporation, Middletown, Conn., $27,851; Alonzo Schaupp, Guilderland, $28,899; Criswell & Mallory, Inc., Mechanicsville, $29,234; F. A. Biggi, Brooklyn, $31,082; J. J. Malloy, Schenectady, $31,493; Ahern Construction Co., Willimantic, Conn., $32,384; George Holler, Albany, $32,910.

Road No. 1280, Albany County, 5.76 miles: David H. Craw, Ravena, $56,736; C. W. Tryon, Boyntonville, $57,858; George H. McAvoy, Creek Locks, $58,464; John H. Gordon, Albany, $59,582; F. A. Biggi, Brooklyn, $59,690; James Anderson, Menands, $60,051; Ahern Construction Co., Willimantic, Conn., $61,144; Brady-Oltarsh Construction Co., Inc., New York, $62,570.

Road No. 5555, Albany County, 4.20 miles: Thomas H. Karr, Troy, $47,414; Brown & Lowe, Schenectady, $48,225; George H. Totty, Cohoes, $49,897; Ahern Construction Co., Willimantic, Conn., $50,033; Belmar Contracting Co., Inc., Troy, $52,672; F. A. Biggi, Brooklyn, $52,826; Alonzo Schaupp, Guilderland, $52,856; George J. Holler, Albany, $53,219; Criswell & Mallory, Inc., Mechanicsville, $53,288; E. J. Latus, Albany, $55,244.

Road No. 5259-A, Cattaraugus County, 4.29 miles: James Rossney, Buffalo, $55,934; Woolsey Construction Co., Poughkeepsie, $57,310; Fred E. Gross & Son, Yonkers, $57,550; McNerny Construction Co., Canton, Penn., $57,570; Dunkirk Construction Co., Dunkirk, $58,047; Criswell & Mallory, Inc., Mechanicville, $58.504; O. M. Severson & Co., Erie, Penn., $59,390; Cattaraugus Engineering Co., Olean, $59,466; Galway Construction Co., New York, $59,784; Parker-Hassam Paving Co., Worcester, Mass., $61,086; Crescent Concrete Co., Buffalo, $61,259; Juniata Co., Philadelphia, Penn., $63,570.

Road No. 5432-A, Chemung and Schuyler Counties, 8.98 miles: Ford Bros., Elmira, $89,686; Peter F. Connolly Co., Horseheads, $96,678; Brady-Oltarsh Construction Co., Inc., New York, $98,183.

Road No. 1285, Essex County, 3.31 miles: Bluff Point Stone Co., Plattsburg, $29,461; John F. Lewis, Albany, $31,836; Boynton & McNally, Keeseville, $32,522; F. A. Biggi, Brooklyn, $34,628; Juniata Co., Philadelphia, Penn., $34,671; Brady-Oltarsh Construction Co., Inc., New York, $34,767; W. L. Lawton, Glens Falls, $35,296; John A. Jova, Inc., Newburgh, $35,781.

Road No. 1286, Essex County, 0.52 mile: Rumph & Stevens, Lake Placid, $5688; E. M. & Paul J. Merrill, Saranac Lake, $5894.

Road No. 1227, Jefferson County, 4.60 miles: James E. Martin, Utica, $56,474; Criswell & Mallory, Inc., Mechanicsville, $57,795; McNerney Construction Co., Canton, Penn., $58,305; Juniata Co., Philadelphia, Penn., $59,366; Weed & Walsh, Mechanicsville, $59,666; Brown & Lowe Co., Schenectady, $60,191; Eggleston & Garthwaite, Yonkers, $60,223; Burns Bros. & Maley, Watertown, $60,843; Chambers & Barnes, Rochester, $62,112; William H. Ring Contracting Co., Ogdensburg, $62,476; Galway & Co., New York, $62,607; Cattaraugus Engineering Co., Olean, $62,609; Richard Hopkins, Troy, $64,877; Parker-Hassam Paving Co., Worcester, Mass., $65,692.

Road No. 1281, Monroe County, 8.39 miles: P. H. Murray, Rochester, $73,891; Ribstine-Holter Co., Inc., Rochester, $74,792; McNerney Construction Co., Canton, Penn., $76,931; Whitmore-Rauber & Vicinius, Rochester, $79,585; L. M. Ludington Sons, Inc., Rochester, $80,501; George Holler, Albany, $81,006; Greece Construction Co., Rochester, $82,573; Chambers & Barnes, Rochester, $88,787; Frank S. & Anthony Sporato, Syracuse, $89,191.

Road No. 1282, Monroe County 1.51 miles: Morrison & Quinn, Inc., Rochester, $17,852; Goodrich & Truesdale, Barnard, $17,912; Michael O'Brien, Cortland, $17,986; Whitmore-Rauber & Vicinius, Rochester, $18,158; Greece Construction Co., Rochester, $18,505; Young & Hyde, New York, $18,807; McNerny Construction Co., Canton, Penn., $18,712

Road No. 1159, Oneida County, 7.76 miles: H. B. Sproul Construction Co., Peekskill, $82,944; John H. Gordon, Albany, $83,992; James Anderson, Menands, $84,998; Westchester-Dutchess Corporation, Mt. Vernon, $87,361; Dale Engineering Co., Utica, $87,443; Brady-Oltarsh Construction Co., Inc., New York, $87,678; J. G. Hayes & Co., Inc., Rome, $89,908; Conroy & Nixdorf, Oneida, $89,998; Fred E. Ellis, Melrose, Mass., $93,855.

Road No. 5328-B, Orange County, 6.27 miles: Schunnemunk Construction Co., Highland Mills, $73,445; John L. Hayes Construction Co., Yonkers, $74,039; Fred E. Gross & Son, Yonkers, $75,506; Henry Clinton, Poughkeepsie, $75,820; John J. Guinan Contracting Co., Brooklyn, $76,671; C. W. Tryon, Boyntonville, $76,404; Westchester-Dutchess Corporation, Mt. Vernon, $77,301; Brady-Oltarsh Construction Co., Inc., New York, $79,014; Ruddy-Saunders Construction Co., Troy, $81,571; Fulton Engineering Co., Inc., Albany, $83,450.

Road No. 580, Orleans County, 2.87 miles: Thomas Holahan, Rochester, $39,878; Rhody & Clawson, Albion, $42,069; McNerny Construction Co., Canton, Penn., $42,148; Whitmore-Rauber & Vicinius, Rochester, $44,104; Westchester-Dutchess Corporation, Mt. Vernon, $45,919.

Road No. 581, Orleans County, 7.46 miles: Michael Murphy, Rochester, $65,035; McNerney Construction Co., Canton, Penn., $77,267; Westchester Dutchess Corporation, Mt. Vernon, $79,601; E. R. Weed & Son, Holley, $85,101.

Road No. 5550, Orleans County, 0.17 mile: Rhody & Clawson, Albion, $2948; Arlington Construction Co., Rochester, $3010.

Road No. 1287, Oswego County, 7.75 miles: Brown & Lowe Co., Schenectady, $62,846; F. A. Biggi, Brooklyn, $63,989; P. H. Murray, Rochester, $64,621; Stanley Construction Co., Buffalo, $65,642; Semper Bros., Watertown, $65,835; Thomas Grady, Rochester, $66,006; McNerney Construction Co., Canton, Penn., $66,591; Sullivan Construction Co., Syracuse, $66,714; H. B. Sproul Construction Co., Inc., Peekskill, $67,212; Fred E. Gross & Son, Yonkers, $67,455; J. H. Weidman, Syracuse, $68,090.

Road No. 1288, Oswego County, 5.12 miles: Brown & Lowe Co., Schenectady, $37,343; P. H. Murray, Rochester, $41,722; Thomas Grady, Rochester, $43,438; Spellman-Oliver Co., Chateaugay, $43,985; H. B. Sproul Construction Co., Inc., Peekskill, $44,327; J. H. Weidman, Syracuse, $44,420; Ross-Hallenbeck Construction Co., Copenhagen, $45,000; Stanley Construction Co., Buffalo, $45,116; J. A. Culkin, Oswego, $45,265; Semper Bros., Watertown, $45,875; Criswell & Mallory, Inc., Mechanicsville, $46,911; Weed & Walsh, Mechanicsville, $46,490.

Road No. 1261, St. Lawrence County, 5.66 miles: Ross-Hallenbeck Construction Co., Copenhagen, $68,770; McNerney Construction Co., Canton, Penn., $70,749; Henry P. Burgard, Buffalo, $71,277; James E. Martin, Utica, $72,495; Eggleston & Garthwaite, Yonkers, $74,341; Cattaraugus Engineering Co., Olean, $79,934; Stanley Construction Co., Buffalo, $79,955.

Road No. 5474-A, Schuyler and Tompkins Counties, 7.60 miles: Hendrickson-McCabe Construction Co., Spencerport, $54,261; Brady-Oltarsh Construction Co., Inc., New York, $58,059; Albert Gaffney, Syracuse, $61,705.

Bids were received June 4, by the State Commission of Highways, 55 Lancaster St., Albany, for the repair of public highways by State Aid, as follows:

Repair Contract No. 781, Albany County, 0.53 mile: George Holler, Albany, $3)780; Thomas H. Karr, Troy, $4014.

Repair Contract No. 785, Albany County, 11.22 miles: John W. Flynn, Waterford, $36,495; W. L. Lawton, Glens Falls, $39,598; Brown & Lowe Co., Schenectady, $39,903.

Repair Contract No. 726, Dutchess County, 12.88 miles: Thomas J. Martin, Beacon, $9708; Conway Bros. & Kennedy, Eddyville, $10,132; William Doyle, Saugerties, $10,154; Henry Clinton, Poughkeepsie, $10,265; R. B. Kain & Co., Hopewell Junction, $10,310; Edward Hartney, Modena, $10,324; Lyndon Contracting Corporation, Albany, $10,726; John A. Jova, Inc., Newburgh, $10,728; William R. Kinney, Albany, $10,932; George Holler, Albany, $11,315.

Repair Contract No. 701, Oswego County, 3.09 miles: De Barber & Hill, Fulton, $9568; Pathfinder Construction Co., Fulton, $9790; J. H. Weidman, Syracuse, $10,575; Lyndon Contracting Corporation, Albany, $11,726.

Repair Contract No. 774, Rensselaer County, 1.43 miles: William L. Sherrill, Hudson Falls, $9999; Thomas H. Karr, Troy, $10,704; Kingsbury Construction Co., Hudson Falls, $10,738; George Holler, Albany, $11,948.

Repair Contract No. 600, Schenectady County, 3.94 miles: Brown & Lowe Co., Schenectady, $26,417; William L. Sherrill, Hudson Falls, $28,298; John P. Dugan & Co., Amsterdam, $30,434; Thomas H. Karr, Troy, $31,410; Criswell & Mallory, Inc., Mechanicsville, $31,735; Belmar Contracting Co., Inc., Troy, $31,910; George Holler, Albany, $32,691.

Bids were received June 4, by the State Commission of Highways, 55 Lancaster St., Albany, for the furnishing of quantities of broken stone, as follows:

Broken Stone Contract No. 58, Niagara County, 37.98 miles, 1400 tons: John W. Landel, Tonawanda, $2512; J. R. Gould, Lockport, $2605; F. H. Wells, Corfu, $3024; William D. Dickinson, Lockport, $2508.

Broken Stone Contract No. 49, Seneca County, 17.32 miles, 355 tons: Richard Hopkins, Troy, $752; Clarence E. Walker, Troy, $798; F. H. Wells, Corfu, $816; Frederick D. Dutcher, Fulton, $844; S. Soaper & Sons, Seneca Falls, $887.

Broken Stone Contract No. 47, Wayne County, 12.49 miles, 605 tons: Richard Hopkins, Troy, $1479; Frederick D. Dutcher, Fulton, $1507; Clarence E. Walker, Troy, $1589; F. H. Wells, Corfu, $1633. Noted May 20.

✚**Buffalo, N. Y.**—The contract for paving East Bennett, West Bennett St. and Hazel Pl. with asphalt has been awarded to the HENRY P. BURGARD CO., at $22,240.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids were received June 1 by the Borough President for paving (a) Gouverneur Pl. from Park to Washington Ave., (b) Morris Ave. from 161st to 164th St., as follows: Municipal Asphalt Paving Co., (a) $9868; Uvalde Asphalt Paving Co., (a) $12,386, (b) $6402; Sicilian Asphalt Paving Co., (a) $12,018, (b) $536 Barber Asphalt Paving Co., (a) $12,310, (b) $6413; Asphalt Construction Co., (a) $10,859, (b) $5522. Noted May 27.

New York, N. Y.—(Borough of Queens)—(Official)—Bids were received June 2 by the Borough President for improving (a) 14th St. from Seventh to Eighth Ave. and Eighth Ave. from 13th to 14th St., (b) Harris Ave. from Crescent to Prospect St., (c) Ralph St. from the Brooklyn Borough line to Woodward Ave., (d) Steinway Ave. from Jackson to Washington Ave., as follows: Barber Asphalt Paving Co., (a) $5589, (c) $12,014, (d) $5381; Uvalde Asphalt Paving Co., (a) $5235, (c) $9518; Sicilian Asphalt Paving Co., (a) $4893, (c) $9674; Cleveland Trinidad Paving Co., (a) $5242; Borough Asphalt Paving Co., (a) $5612, (c) $11,052; C. A. Myers Contracting Co., (b) $5050; Clancy & Nunn, (b) $4941; Queens Plaza Contracting Co., (b) $4919; Peace Bros., (b) $5908; Franklin Contracting Co., (d) $5669; J. Leopold & Co., (d) $6386. Noted May 27.

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 11 a.m., June 16, by Maurice E. Connolly, Borough Pres., for improving Ithaca (Fourth) St. from Pettit Pl. to Britton Ave. and from Baxter to Britton Ave., Fourth Ave. from Jackson to Washington Ave., Custer (15th) St. from Bayreuth (Beach) St. to Sanford Ave., Britton Ave. from Broadway to Forley Ave., 12th Ave. from Grand to Jamaica Ave., Payntar Ave. from Sherman to Crescent St., Stephens St. from Wyckoff to Seneca Ave., and for paving Freeman Ave. from Crescent St. to Jackson Ave.

New York, N. Y.—(Borough of Richmond)—(Official)—Bids will be received until noon, June 15, by Charles J. McCormack, Borough Pres., for grading Seaview Ave. and Maple Ave. from Fifth St. to Richmond Rd.

✚**Rochester, N. Y.**—The contract for paving Post Ave., Englewood Terrace and Linden St. with asphalt has been awarded to the ROCHESTER VULCANITE PAVEMENT CO., Rochester, at $35,801.

✚**Rome, N. Y.**—The contract for paving Lawrence St. with bitulithic has been awarded to WARREN BROS. CO., Boston, Mass., at $24,597.

✚**St. Johnsville, N. Y.**—The contract for paving Bridge St. has been awarded to JAMES E. MARTIN, Utica, at $9984.

Salamanca, N. Y.—Bids will be received about June 10 for constructing sidewalks, at an estimated cost of $15,000.

Troy, N. Y.—Bids were received for paving Fourth St. from Congress to Fulton St. and Hoosick St. from 10th to the old city line with (a) firebrick, (b) wood block, (c) lugwood block, (d) sheet asphalt, (e) granite block as follows: Hassam Paving Co., (a) $19,025, (b) $23,210, (c) $23,367, (e) $22,949; John M. Davitt, (a) $19,512, (b) $22,973, (c) $22,973, (d) $16,784, (e) $23,810; Martin Murray Construction Co., (b) $24,023, (e) $23,866. Noted May 27.

Hackensack, N. J.—Bonds for $90,000 have been sold, the proceeds of which will be used for improving the Paterson Plankroad in Bergen County.

Harrison, N. J.—Bids will soon be received by the Town Council for improving Davis Ave. and Middlesex St.

Jersey City, N. J.—Bids will be received until 2 p.m., June 17, by the City Commissioners for repairing Cooper Pl. from Newark Ave. to Gregory St. with asphalt paving blocks.

Jersey City, N. J.—Bids will soon be received for the improvement of Pavonia Ave. from Summit to Chestnut Ave. and Mercer St. from Summit Ave. to the viaduct.

Kenilworth, N. J.—The Borough Council will soon receive bids for 1000 tons or more of crushed stone to repair the Boulevard and other streets in the Borough.

Millburn, N. J.—Bids will soon be received for paving Prospect and Mountain Ave., Pine, Elm and Maple St. E. R. Halsey, 164 Market St., Newark, N. J., is Engr.

Newark, N. J.—Bids will be received until 3:30 p.m., June 14, by the Board of Chosen Freeholders of Essex County for laying a concrete roadway on Springfield Ave.

New Brunswick, N. J.—Bids will be received until 2:30 p.m., June 15, by the Commissioners of Middlesex County for improving St. George's Ave., at an estimated cost of $20,000. Noted Apr. 29.

✚**Perth Amboy, N. J.**—The contract for improving the Metuchen-Perth Amboy Rd. has been awarded to McGOVERN & SEIBOLT, at $42,383.

Trenton, N. J.—The Board of City Commissioners has rejected all bids received for the improvement of South Clinton Ave., Cooper, Fulton, Whittaker and Lamebrton St.

Beaver Falls, Penn.—At a recent election the question of issuing $100,000 in bonds, the proceeds of which was to have been used for paving was defeated.

✚**Philadelphia, Penn.**—The contract for repaving South St. from Second to 27th St. has been awarded to the McNICHOL PAVING & CONSTRUCTION CO., at $87,200.

✚**Philadelphia, Penn.**—The Board of Public Works has awarded the contract for paving Wayne Ave. and Chestnut St. to the McNICHOL PAVING & CONSTRUCTING CO., at $24,908.

✚**Rouseville, Penn.**—The contract for paving Main St. has been awarded to LESHER, ROESS & LESHER, Oil City, at $22,500.

Wilmington, Del.—Gen. T. Coleman du Pont is making praparations to have operations started upon the construction of 18 miles of his proposed $2,000,000 boulevard between Georgetown and Selbyville. The section to be built represents but little more than one-fifth of the entire project, but General du Pont announced that the work would be rushed through to completion just as rapidly as the right of way can be secured.

Rockville, Md.—Bids will be received until June 15 by the Commissioners of Montgomery County for constructing 1.38 miles of State-Aid road along Clarksburg Rd. between Burdette and Boyds.

Christiansburg, Va.—An election will be held July 6 to vote on the question of issuing $100,000 in bonds, the proceeds of which will be used for improving roads in Christiansburg District, Montgomery County.

Adamston, W. Va.—An election will soon be held to vote on the question of issuing $20,000 in bonds, the proceeds of which will be used for paving Pike St.

Charleston, W. Va.—At a recent election the citizens voted to issue $750,000 in bonds, the proceeds of which will be used for the construction of roads.

Huntington, W. Va.—At a recent election the citizens voted in favor of issuing $600,000 in bonds, the proceeds of which will be used for paving roads. Noted Apr. 29.

✚**Huntington, W. Va.**—The contract for improving a number of streets has been awarded to JACK ULLOM. Noted May 13.

Parkersburg, W. Va.—An election will be held July 6 to vote on the question of issuing $47,500 in bonds, the proceeds of which will be used for improving roads in the Lubeck District. Noted May 27.

✚**Pilotmountain, N. C.**—A contract for improving a number of streets has been awarded to SMITH & SWINNEY.

Greenwood, S. C.—The city contemplates holding an election to vote on the question of issuing $100,000 in bonds, the proceeds of which will be used for improving streets.

Sumter, S. C.—Press reports state that the city will soon hold an election to vote on the question of issuing $250,000 in bonds, the proceeds of which will be used for paving streets.

Quitman, Ga.—The Commissioners of Brooks County postponed the bond election which was to have been held May 29. At this election the question of issuing $400,000 in bonds for constructing roads in Brooks County was to have been considered. Noted May 13.

Arcadia, Fla.—The city contemplates voting on bonds to improve various streets.

De Land, Fla.—Bids will be received until 2 p.m., June 30, by Samuel D. Jordon, Clk., for the construction of approximately 52 miles of roadway in the First and Second Districts. J. B. McCrary Co., 507 Atlanta National Bank Bldg., Atlanta, Ga., is Engr.

West Palm Beach, Fla.—At a recent election the citizens of Palm Beach County voted in favor of issuing $800,000 in onds for constructing roads. Noted Mar. 25.

✚**Alexandria, La.**—The contract for paving Lee St. from Second St. to Bolton Ave. and Bolton Ave. from Gould Ave. to Lee St. has been awarded to A. R. YOUNG & CO., Lawrence, Kan., at $31,628 and $58,833, respectively. Noted May 13.

Campti, La.—At a recent election the citizens voted in favor of issuing $40,000 in bonds for road improvements.

Bastrop, La.—The citizens voted in favor of the question of issuing $55,000 in bonds. The proceeds will be used for the construction of a highway. Noted Apr. 22.

Fayetteville, Tenn.—Press reports state that the city contemplates an expenditure of $20,000 for improving streets.

Knoxville, Tenn.—According to press reports, bids will soon be received for paving Atkins, Anderson, Callaway, Cumberland and Highland Ave. J. B. McCalla is City Engr.

✚**Jackson, Ky.**—A contract for macadamizing a number of streets has been awarded to JOHN W. DEAN, at approximately $15,000.

Lexington, Ky.—The city will pave with asphalt South Broadway and Angliand St. from South Broadway to the Versailles Pike.

✚**Louisville, Ky.**—The contract for paving a portion of Franck Ave. has been awarded to the AMERICAN STANDARD ASPHALT CO., at $13,500.

Madisonville, Ky.—The Commissioners of Hopkins County have postponed the election which was to have been held May 8 when the question of issuing $300,000 in bonds for constructing roads in Hopkins County was to have been considered. Noted Mar. 18.

Monticello, Ky.—An election will be held July 24 to vote on the question of issuing $200,000 in bonds, the proceeds of which will be used for building 75 miles of road in Wayne County.

✚**Barnesville, Ohio**—The contract for grading, draining and paving South Gardiner St. has been awarded to SAMUEL FOWLER. Noted May 20.

✚**Canton, Ohio**—The contract for paving Tuscarawas St. has been awarded to the CLEVELAND TRINIDAD PAVING CO., Cleveland, at $68,428.

Cincinnati, Ohio—Bids were received May 13 for repaving Bloody Run Parkway as follows: Henkel & Sullivan, Cincinnati, $11,012; Kirchner Construction Co., Cincinnati, $11,478; Allan Kissinger, Cincinnati, $12,673.

Columbus, Ohio—The City Council has adopted a resolution providing for the improvement of Bryden Alley from 19th to 27th St.

✚**Elyria, Ohio**—The contract for paving East Bridge St. has been awarded to GEORGE ROSS, at $24,161.

Lakewood, Ohio—(Official)—Bids will be received until June 14 by N. C. Cotabish, Dir. of Pub. Ser., for paving Clifton, Forest and West Forest Roads with asphalt and Hathowo Ave. and Park Row with brick, sheet asphalt or bituminous macadam. E. A. Fisher is City Engr.

✚**Mt. Gilead, Ohio**—(Official)—The contract for constructing 3½ miles of road, known as the Marengo Rd. No. 2 has been awarded to HARVEY TENNANT, Galion, at $19,977. Noted May 6.

★**New Boston, Ohio**—(Official)—Bids will be received until noon, June 16, by the Village Council for constructing 60,138 sq.yd. of pavement and 35,090 lin.ft. of combined concrete curb and gutter.

Rocky River, Ohio—Bids will be received until noon, June 22, by Frank Mitchell, Clk., for the construction of concrete sidewalks on the North Ridge Rd. Noted May 20.

✚**New Albany, Ind.**—The contract for constructing the St. Joseph Rd. in New Albany Township, Floyd County, has been awarded to W. F. WOODRUFF, at $14,000.

✚**Syracuse, Ind.**—The contract for paving Main and Huntington St. has been awarded to the NORTHERN CONSTRUCTION CO., Elkhart.

✚**Terre Haute, Ind.**—The Commissioners of Vigo County have awarded contracts for constructing the Tritt Rd. to the ILLINOIS CONSTRUCTION CO., Gary, at $5538, and the Thompson Rd. to HOWARD LEACH, Riley, at $9943.

✚**Vincennes, Ind.**—The contract for paving First St. with aspsalt has been awarded to the WESTERN CONSTRUCTION CO., at $25,186.

✚**Bessemer, Mich.**—The contract for constructing 3.52 miles of county road has been awarded by the Commissioners of Gogebic County to A. MATTSON, Ironwood.

Cadillac, Mich.—(Official)—Bids will soon be received by the Board of Trade for the construction of 2½ miles of 16 ft. concrete roadway for a boulevard drive in territory adjacent to the city. D. E. Carr is Gen. Mgr.

Houghton, Mich.—The City Council contemplates paving Front and Reservation St.

✚**Saginaw, Mich.**—Contracts have been awarded for street paving as follows: to S. S. SAXTON, at $60,000, for asphalt; to D. LA CONDE, at $7000, for brick, and to the JOHNSON CONSTRUCTION CO., at $35,000, for wood block.

✚**Aurora, Ill.**—The contract for paving Broadway, Fox and New York St. has been awarded to the McCARTHY IMPROVEMENT CO., Davenport, Iowa, at $18,759.

✚**Evanston, Ill.**—The contract for paving West Railroad Ave. has been awarded to the M. FOLEY CO., at $19,876.

✚**Edgerton, Wis.**—The contract for reinforced-concrete pavement on Main St., from Fulton to Lawton St., has been awarded to LEHMANN BROS., Watertown, Wis., at $3187.

Elroy, Wis.—Bids will be received until June 21 by William Flood, City Clk., for constructing macadam pavement, concrete curb and gutters on Second and Main St.

Green Bay, Wis.—Bids will be received until 10 a.m., June 28, by the Committee on Streets and Bridges for improving various streets.

✚**La Crosse, Wis.**—A contract for constructing asphaltic concrete pavement has been awarded to the LA CROSSE STONE CO., 28th and Main St., La Crosse.

✚**Madison, Wis.**—The contract for paving Adams and Winnebago St. with asphaltic concrete has been awarded to the JOHNSON CONSTRUCTION CO., at $12,230. Noted May 13.

Merrill, Wis.—Bids will be received until 4 p.m., June 29, by the Board of Public Works for paving portions of Main and West Main St. with vitrified brick on concrete base.

River Falls, Wis.—Bids will be received until 2 p.m., June 11, by P. L. Moe, Chn. of St. Comn., for constructing concrete pavements on Main, Polk, Pierce and Tenth St.

Two Rivers, Wis.—Bids will be received until 7:30 p.m., June 12, by the Board of Public Works for grading, curbing and macadamizing portions of various streets.

✚**Corydon, Iowa**—The contract for paving West, Anthony and State St. with bitulithic has been awarded to JAMES HORRABIN & CO., Des Moines, at $64,000.

✚**Dubuque, Iowa**—The contract for paving Delhi and Julien St. with brick has been awarded to the WESTERN IMPROVEMENT CO., Racine, Wis.

✚**Grinnell, Iowa**—(Official)—The contract for the construction of 83,350 sq.yd. of paving, 64,770 lin.ft. of curb and gutter, 11,300 cu.yd. of grading and 29,000 lb. of castings has been awarded to WILLIAM HORRABIN, Iowa City, at $213,631. Noted Apr. 29.

Marshalltown, Iowa—Bids will be received until June 15 by J. J. Wilson, City Clk., for laying concrete pavements.

✚**Rockwell City, Iowa**—A contract for constructing 80,000 sq.yd. of asphalt pavement and 46,000 ft. of curbing has been awarded to the FORD PAVING CO., Cedar Rapids.

Spencer, Iowa—Bids will be received about July 24 by the city for laying 50,000 sq.yd. of brick block, sheet asphalt, creosoted wood block or reinforced-concrete pavement. E. O'Keefe is City Engr.

✚**West Liberty, Iowa**—A contract for paving a number of streets has been awarded to the McNAMARA CONSTRUCTION CO., Dubuque, at approximately $100,000.

✚**Bemidji, Minn.**—(Official)—The contract for the construction of State Rural Highway No. 62 has been awarded to P. McDONNELL, Duluth.

✚**Minneapolis, Minn.**—The contract for paving Williamson St. with brick has been awarded to JOHN F. ICKE, at $11,984.

✚**St. Paul, Minn.**—A contract for resurfacing with concrete the speedway which is being constructed by the Twin City Motor Speedway Association has been awarded to HANLON & OAKES, Minneapolis, at $181,000.

Glasco, Kan.—Bids will be received until 10 a.m., June 15, by the City Clerk for the construction of concrete pavement and curb and gutter on Main St.

✚**Kansas City, Kan.**—The contract for constructing the Bartles macadam road has been awarded to A. J. ARMSTRONG at $5285.

✚**Osawatomie, Kan.**—The contract for improving Pacific Ave. has been awarded to A. B. FERGUSON, at $18,963.

✚**Ralston, Neb.**—A contract for constructing concrete sidewalks has been awarded to E. HARRIS.

✚**University Place, Neb.**—A contract for constructing asphaltic concrete pavement on 19th St. has been awarded to ABEL & ROBERTS, Lincoln, at $12,473.

✚**Anaconda, Mont.**—The contract for Paving Park Ave. and Main St. with asphaltic concrete has been awarded to CLIFTON & APPLEGATE CO., at $7650. Noted May 13.

Dillon, Mont.—The City Council has voted to construct concrete sidewalks on South Pacific St., at an estimated cost of $12,000.

Lebanon, Mo.—Bids will be received until 8 p.m., June 14, by the City Clerk for constructing macadam and concrete pavements and curbs in various streets.

Anderson, Tex.—An election will be held June 15 to vote on the question of issuing $150,000 in bonds, the proceeds of which will be used for constructing roads in District No. 6, Grimes County.

Beaumont, Tex.—At a recent election the citizens voted in favor of issuing $85,000 in bonds, the proceeds of which will be used for paving streets. Noted Apr. 22.

Ennis, Tex.—At a recent election the citizens voted to issue $45,000 in bonds, the proceeds of which will be used for the construction of roads.

Junction, Tex.—Bids will be received until June 14 by the Commissioners of Kimble County for grading and graveling seven miles of streets in Junction.

Sandpoint, Idaho—Bids will be received until June 15 by the City Council for paving 19,917 yd. with hassam, asphalt, brick or wood block. The estimated cost of the work is $74,928.

Ogden, Utah—Bids will be received until June 21 by the City Commission for paving Madison Ave. from 25th to 28th St. with asphalt.

Camas, Wash.—Plans have been prepared for paving Oneonta St. with macadam or other hard surfacing, at an estimated cost of $10,000.

✚**Dayton, Wash.**—The contract for constructing the Johnson Hollow Rd. has been awarded to the CASCADE CONSTRUCTION CO., at $13,940.

Elma, Wash.—Bids will be received until 1:30 p.m., June 14, by C. H. Palmer, Town Clk., for paving Main, Third and Young St. with sheet asphalt, asphaltic concrete and bitulithic, all on concrete base.

✚**Kelso, Wash.**—The Board of Commissioners of Cowlitz County has awarded contracts for road work to U. D. WILLIS, at $10,490, for grading and rock surfacing of one mile of the Pacific Highway near Kelso, and to JEFFREY & BUFTON, at $10,440, for constructing 6869 ft. of concrete roadway near Woodland.

✚**Montesano, Wash.**—The contract for constructing Permanent Highway No. 8 has been awarded to the BURNETT CONSTRUCTION CO., Burke Bldg., Seattle, at $9895. Other bids were: August Wallin, Aberdeen, $10,490; M. D. Hogan, Hoquiam, $10,722; Alfred & James, Centralia, $13,000.

Mt. Vernon, Wash.—Bids will soon be received for paving Second St. from Sixth to Cleveland St. E. Crookston is City Clk.

✚**Olympia, Wash.**—The Washington Highway Commission has awarded contracts for road construction as follows: Sunset Highway, Rocklyn to Creston, 13½ miles, to the MOHR CONSTRUCTION CO., Waterville, Wash., at $41,479; Inland Empire Highway, Colfax south, five miles, to the H. L. WILSON CO., Walla Walla, Wash., at $19,229, and Inland Empire Highway, Steptoe to Cashup, four miles, to the GENERAL CONSTRUCTION CO., Spokane, Wash., at $11,955. Noted June 3.

✚**Seattle, Wash.**—The contract for paving Ninth Ave., W., has been awarded to the P. J. McHUGH PAVING & CONSTRUCTION CO., at $19,360.

Seattle, Wash.—Bids will be received until 10 a.m., June 21, by the Commissioners of King County for constructing the Woodinville-Duvall Rd.

✚**Seattle, Wash.**—The contract for the construction of Permanent Highway No. 15 has been awarded to J. T. MILLS, Olympia, $28,539. Other bids were: Burnett Construction Co., Coleman Bldg., Seattle, $33,511; M. P. Zimdorf, Seattle, $34,437; Hans Pederson, Madison Blk., Seattle, $29,589; Bancroft & Morgan, Everett, $28,589; L. H. Covig, Seattle, $29,827; Sloan Bros., Greenwood Ave., Seattle, $29,005; Russell & Gallagher, Ry. Exchange Bldg., Seattle, $36,915; Ferch & Gass, White Bldg., Seattle, $37,272.

✚**Spokane, Wash.**—The Board of Commissioners of Spokane County has awarded a contract for the construction of 11.5 miles of permanent highway between Rockford and Waverly, to the AMBROSE-BIRDSALL CO., Portland, Ore., at $165,500. Noted May 6.

Vashon, Wash.—(Official)—The contract will soon be awarded for the construction of a six-mile highway, estimated to cost $50,000.

Sacramento, Calif.—(Official)—Bids were received May 24 by the State Highway Commission for constructing roads in various counties as follows: (a) Tehama County, Section C, Route 3; (b) Tehama County, Section B, Route 3; (c) Los Angeles County, Section A, Route 4; (d) Kings County, Section A, Route 6: Eaton & Smith, San Francisco, (a) $54,988; G. W. Conners, Eureka, (a) $57,950, (b) $57,873; W. B. Hunt & Sons, Alameda, (a) $59,324; Twohy Bros. Co., San Francisco, (a) $70,253, (b) $47,198; Richard Rothwell, Los Angeles, (a) $68,498; F. Rolandi, Los Angeles, (a) $66,169; Toohey & Johnson, Phoenix, (a) $63,772; Bates, Borland & Ayer, Oakland, (a) $69,283, (b) $49,795; Hoffman & McLaren, Oakland, (a) $51,733, (b) $43,657; H. H. Harlan & T. W. Harlan, Williams, (a) $49,991; L. F. Gerdetz, San Francisco, (a) $56,873, (b) $46,040; James Fitzpatrick, Sacramento, (a) $50,206, (b) $45,914; Commary Peterson Co., San Francisco, (a) $72,065, (b) $44,662; George Anselmo, (b) $52,851; Manuel Jacinto, Sacramento, (b) $51,482; C. H. & A. W. Borrill, San Francisco, (b) $46,390; Leigh Garnsey, Los Angeles, (c) $27,957; George Wiegand, Lamanda Park, (c) $24,280; Homer R. Kennedy & Frank Williams, Los Angeles, (c) $21,101; White & Gaskill, Long Beach,

(c) $26,643; John D. Marsh, Bakersfield, (c) $25,552; W. A. Dontanville, Paso Robles, (c) $23,918, (d) $54,954; Bent Bros., Los Angeles, (d) $69,555; Taylor & Berliner, Los Angeles, (d) $56,809; George S. Benson & Sons, (d) $50,212; John D. Marsh, Bakersfield, (d) $51,697.

✚San Jose, Calif.—Contracts for street paving have been awarded to the RAISCH IMPROVEMENT CO., San Francisco, at $35,100, CLARK & HENERY, Stockton, $10,445 and to F. R. RITCHIE & SON, San Jose, $7286.

Willits, Calif.—The Board of Trustees has authorized the paving of Valley and Humboldt St.

✚Moncton, N. B.—A contract for laying tarvia pavement has been awarded to CARRITTE & PATERSON, St. John, N. B., at an estimated cost of $28,000.

✚Montreal, Que.—The contract for supplying asphalt required for paving city streets for one year has been awarded to the AZTEC OIL & REFINING CO., at $15.50 per ton. The Board of Control recommends the extension of the contract for nine years on condition that the company shall construct a refinery in Montreal.

✚St. Lamberts, Que.—A contract for paving a number of streets has been awarded to EDWARD BELANGE & CO., 2820 St. Hubert St., Montreal.

✚Westmount, Que.—A contract for constructing asphalt pavements has been awarded to the WARNER-QUINLAN ASPHALT CO., 745 St. Catherine St., W., Montreal.

Aurora, Ont.—The Town Council plans to improve Wellington St. by laying a new roadway, at an estimated cost of $10,000.

Brussels, Ont.—Bids will be received until June 15 by F. S. Scott, Clk., for curbing and paving Main St.

Ft. Erie, Ont.—Press reports state that approximately $12,500 will be spent for road improvements.

Ingersoll, Ont.—Plans are being prepared for the construction of brick pavement on concrete foundation on Thames St. W. R. Smith is Clk.

Niagara Falls, Ont.—Bids will soon be received by the city for the construction of brick paving on Queen St. The estimated cost is $16,000. F. J. Anderson is Engr.

✚Ottawa, Ont.—The contract for paving Wellington St. from Preston St. to the viaduct has been awarded to the UNION CONSTRUCTION CO., at $6000.

Peterboro, Ont.—The City Council contemplates constructing sidewalks on various streets. S. R. Armstrong is Clk.

Virden, Man.—Bids will be received until 6 p.m., June 15, by W. Whiteford for grading approximately 71 miles of the Provincial highways and roads.

INDUSTRIAL WORKS

Boston, Mass.—The Zunner Machine Co., Rochester, N. Y., will build a plant in South Boston. C. Granger, 203 Winthrop Bldg., is in charge.

Providence, R. I.—The Terminal Warehouse Co. plans the construction of a five-story, 100x100-ft. brick warehouse.

✚Bridgeport, Conn.—The Locomobile Co. of America has awarded the contract for the construction of an addition to its plant to the FLYNT BUILDING & CONSTRUCTION CO., Palmer, Mass., at about $34,000. Lockwood, Greene & Co., 60 Federal St., Boston, Mass., is Arch. Noted May 20.

Hartford, Conn.—(Official)—Bids will be received until noon, June 15, by Greenwood & Moer, Engr., 847 Main St., for the construction of a three-story, 42x110-ft. brick factory, mill construction, at Rowe Ave. and Park St., for the Jacobs Mfg. Co. Noted June 3.

Amsterdam, N. Y.—Bids have been received for the construction of a two-story, 70x80-ft. addition to the machine shop of the Inman Mfg. Co. R. A. Wood is Gen. Mgr.

Buffalo, N. Y.—The Buffalo Copper & Brass Rolling Mill, 446 Military Rd., has a 220x1200-ft. site at Military Rd. and the New York Central R.R., on which it will build extensive additions.

Buffalo, N. Y.—The Automobile Aviation Co., recently incorporated, is having plans prepared for the construction of a factory. H. F. Hanford, 322 Pennsylvania St., is Secy.

✚Buffalo, N. Y.—The Schoellkopf, Hartford & Hanna Co. has awarded the general contract to the JOHN W. COWPER CO., for the construction of a three-story, 75x175-ft. brick and steel addition to its plant at Abbott Rd. and the Lake Shore R.R. The structural steel contract has been awarded to the FERGUSON STEEL & IRON CO. Noted Apr. 29.

✚Buffalo, N. Y.—The American Radiator Co. has awarded the contract to F. S. MATTHEWSON, 702 White Bldg., for the construction of a one-story, 222x234-ft. foundry at Elmwood Ave. and the New York Central R.R. John E. Youngberg, 30 North Dearborn St., Chicago, Ill., is Arch.

✚Depew, N. Y.—The Gould Storage Battery Co. has awarded the general contract to the JOHN W. COWPER CO., Buffalo, N. Y., for the construction of a two-story, 75x200-ft. factory, to cost $40,000. The FERGUSON STEEL & IRON CO., Buffalo, N. Y., has been awarded the structural steel contract.

✚New York, N. Y.—(Borough of Bronx)—The Ames Transfer Co. has awarded the contract to the JOHN J. HEARN CONSTRUCTION CO., 69 West 46th St., for the construction of a six-story garage and storage building at Kingsbridge Ave. and West 236th St. It will cost about $75,000. John C. Kleinhouse, 1839 East 12th St. (Borough of Brooklyn), is Arch. Noted May 20.

New York, N. Y.—(Borough of Brooklyn)—The Cadillac Motor Co., 1819 Broadway (Borough of Manhattan), will build a four-story, 60x100-ft. reinforced-concrete service building at Lafayette Ave. and Rockwell Pl. It will cost $80,000. William E. Lehman, 738 Broad St., Newark, N. J., is Arch.

New York, N. Y.—(Borough of Brooklyn)—The R. H. Comey Co., 78 18th St., will build three three-story factories at 18th St. and Third Ave. William Higginson, 13 Park Row (Borough of Manhattan), is Arch.

New York, N. Y.—(Borough of Brooklyn)—The F. & M. Brewing Co., Park Ave. and 51st St. (Borough of Manhattan), will build a brewing plant on the plot bounded by Ninth and Tenth St., Kent Ave., and the East River.

New York, N. Y.—(Borough of Brooklyn)—Jason S. Bailey, West Roxbury, Boston, Mass., will build a seven-story, 60x125x200-ft. concrete factory on Bond St., at an estimated cost of $225,000. Barfitt Bros., 26 Court St., is Arch.

New York, N. Y.—(Borough of Manhattan)—The Interboro Long Distance Moving Co., 2157 Amsterdam Ave., will build a nine-story warehouse on Jumel Pl.

✚Rensselaer, N. Y.—William Barnet & Sons has awarded the contract for the construction of a three-story, 60x351-ft. reinforced-concrete mill to MORRIS KANTROWITZ, Albany, N. Y. The estimated cost is $75,000. Noted Mar. 25 and Apr. 8.

Yardville, N. J.—The Chandler Oilcloth Co. will rebuild its plant which was recently destroyed by fire at a loss of $40,000.

✚Glenolden, Penn.—(Official)—The H. K. Mulford Co. has awarded the contract for the construction of a four-story brick and concrete addition to its plant to THOMAS J. SEEDS, JR., 1207 Race St., Philadelphia, Penn. Noted May 27.

Marcus Hook, Penn.—Bids are being received for the construction of 9 one- and three-story brick factories for the United Roofing Co.

Newton Hamilton, Penn.—The Aetna Explosives Co., 2 Rector St., New York, N. Y., will build a plant estimated to cost $500,000.

Philadelphia, Penn.—Plans are being prepared by the William Steele & Sons Co., 1600 Arch St., for the construction of a three-story, 65x75-ft. garage at 21st and Brandywine St., for J. D. Darlington & Co.

Philadelphia, Penn.—David Berg will build a $100,000 distillery at Delaware Ave. and Mifflin St.

✚Pittsburgh, Penn.—The Logan-Gregg Hardware Co. has awarded the contract for the construction of an eight-story, 91x116-ft. warehouse to JAMES WHERRY & CO. The estimated cost is $125,000. Charles Bickel, May Bldg., is Arch. Noted Feb. 4 and 18.

✚Sayre, Penn.—The Lehigh Valley R.R. has awarded the contract for the construction of a round-house with 50 stalls to the WESTINGHOUSE-KERR CO., 37 Wall St., New York, N. Y. The estimated cost is $400,000.

Baltimore, Md.—Frensdorf & Brown has purchased Colgate Park, in which it will build a $50,000 dsitillery.

Tampa, Fla.—Armour & Co., Union Stock Yards, Chicago, Ill., will build additions to its warehouse to cost about $11,500. R. C. Clark is Arch.

✚Birmingham, Ala.—The HENDON-HETTRICK ENGINEERING CO. has been awarded the contract for the construction of a five-story, 68x120-ft. reinforced-concrete cold-storage plant at 22nd St. and Ave. E., for the Birmingham Ice Co. It will cost about $75,000. Noted Apr. 29.

Piedmont, Ala.—The Coosa Mfg. Co. plans the construction of a 106x118-ft. addition to its plant.

New Orleans, La.—(Official)—The Port Commissioner has commissioned Ford, Bacon & Davis, Engr., to prepare plans for the construction of a $750,000 grain elevator.

Nashville, Tenn.—The Bradford Wholesale Furniture Co., 168 Third Ave., N., will build a storehouse on Fifth Ave. and Commerce St.

✚Cincinnati, Ohio—Harry Hake, Arch., 802 Provident Bank Bldg., has awarded the contracts for the construction of a $40,000 addition to the Standard Marble Works to the MASSILLION BRIDGE & STEEL CO., for steel; carpentry, to D. MEINKEN.

Cleveland, Ohio—Richman Bros. Co., West Ninth St., will build a four-story, 200x322-ft. reinforced-concrete and brick factory, at an estimated cost of $200,000. Christian, Schwarzenberg & Galde, 1900 Euclid Bldg., is Arch.

St. Bernard, Ohio—(Cincinnati post office)—The Stacey Bros. Gas Construction Co. will build a 100x400-ft. factory, to cost about $120,000. Harry Hake, Provident Bank Bldg., is Arch.

✚Youngstown, Ohio—The Youngstown Iron & Steel Co. has awarded the contract to the HUNTER CONSTRUCTION CO. for the construction of a 55x450-ft. steel storage building.

Ligonier, Ind.—The Banta-Bender Mfg. Co. will build a plant to replace the one destroyed by fire.

✚Mishawaka, Ind.—The Mishawaka Woolen Co. has awarded the contract for the construction of a three- and four-story plant on Water St. to the H. G. CHRISTMAN CO., South Bend, Ind.

✚Terre Haute, Ind.—George Buntin and Charles Minshall have awarded the contract for the construction of a three-story, 65x170-ft. brick warehouse to RHOEM BROS. Johnson & Miller is Arch.

Detroit, Mich.—The Timken-Detroit Axle Co., 132 Clark Ave., will build a 500x1000-ft. addition to its plant, to cost $300,000.

✚Saginaw, Mich.—The Carlisle Tannery Co. has awarded the contract to A. GELINEAS & SONS for the construction of a 50x50-ft. and a 40x130-ft. addition to its plant in the North End.

Chicago, Ill.—F. W. Reis will build a two-story, 100x110-ft. brick garage at 2942 West North Ave., to cost $16,000. A. A. Anderson is Arch.

Chicago, Ill.—The Packard Motor Car Co., 2357 Michigan Ave., has purchased the site at 2340 Indiana Ave., and will build a five-story, reinforced-concrete service station, to cost about $125,000.

Milwaukee, Wis.—The John Pritzloff Hardware Co. will build a 75x160-ft. warehouse at 31 West Water St., to cost approximately $100,000.

Racine, Wis.—The Hamilton-Beach Mfg. Co. will build a three-story, 50x250-ft. brick factory, mill construction, to cost $30,000. Edmund B. Funston is Arch.

Mason City, Iowa—E. R. Gibson plans the construction of a $25,000 warehouse on First St.

Duluth, Minn.—The John Wahl Candy Co. has secured a permit for the construction of a factory at 26th and Michigan Ave., to cost $30,000.

✚Duluth, Minn.—W. J. ZITTERELL, Webster City, Iowa, has been awarded the contract for the construction of a $200,000 warehouse on Lake Ave. for the Gowan-Lenning-Brown Co. F. G. German is Arch. Noted Apr. 29.

St. Paul, Minn.—Maendler Bros., 42 East Third St., will build a four-story, 150x208-ft. factory at Ninth and Jackson St. P. Maendler is Pres.

✚Atchison, Kan.—The LEHRECK ENGINEERING & CONTRACTING CO., Kansas City, Mo., has been awarded the contract for the construction of a reinforced-concrete grain elevator on Main St. for the Blair Milling Co. The estimated cost is $50,000.

Kansas City, Mo.—Bids will soon be received at the main office of the Ford Motor Co., Detroit, Mich., for the construction of a three-story brick, terra cotta and reinforced-concrete addition to its plant at 11th St. and Winchester Ave., to cost $350,000. Albert Kahn, 58 Lafayette Bldg., Detroit, Mich., is Arch.

✚Dallas, Tex.—EUBANK & DIBRELL, Galveston, Tex., has been awarded the contract for the construction of a $100,000 cotton concentration shed at 46th St. and Ave. F., for the Southern Products Co.

Pueblo, Colo.—The F. J. Burch Mfg. Co. will build a two-story, 85x120-ft. brick factory at First and Santa Fe Ave., to cost about $25,000. J. M. Gile is Arch.

Leavenworth, Wash.—The Cashmere Fruit Growers' Union will build a $30,000 warehouse.

Linnton, Ore.—The Shell Oil Co. of California, according to press reports, will expend about $500,000 in constructing warehouses, tanks, docks and reservoirs. Reitz & Storey, Engr., Northern Bank & Trust Co., Seattle, Wash., will prepare the plans.

✚Portland, Ore.—Root & Kerr, Arch., has awarded the contracts for the construction of a three-story brick warehouse at 15th and Irving St. for the D. P. Thompson Estate, as follows: General, J. G. KILGREEN; plumbing, H. E. RADEMACHER; heating, KENDALL HEATING CO. The estimated cost is $35,000. Noted May 20.

✚Portland, Ore.—Whitehouse & Fouilhoux, Arch. has awarded the contracts for the construction of a warehouse at Oregon and Occident St. for the Settler Box Co., as follows: General, LITHERLAND & ABREY; plumbing, STURGES & STURGES; heating, KENDALL HEATING CO. The estimated cost is $45,000.

Portland, Ore.—Bids have been received by Doyle & Patterson, Arch., for the construction of a three-story, 100x150-ft. warehouse at 15th and Overton St. for the Mason Ehrman Co. The cost is estimated at $35,000. Noted May 27.

Agnew, Calif.—The Pacific Chemical Co., San Francisco, Calif., plans the construction of a $100,000 plant. Archibald Barnard, 625 Market St., San Francisco, Calif., is Pres.

Filmore, Calif.—The Montebello Oil Co. will construct an oil refinery at Filmore, at an estimated cost of $100,000.

San Francisco, Calif.—The Shell Oil Co. will build a pumping station and service building on Army St., at an estimated cost of $25,000.

San Francisco, Calif.—The Promotion Wine Co., 537 Front St., will build a $60,000 winery at Columbia Ave. and Lombard St. Edward Cerruti, 699 61st St., Oakland, Calif, is Pres.

Selma, Calif.—Libby, McNeill & Libby, Chicago, Ill., plans to build an addition to its canning plant, to cost $15,000.

FEDERAL GOVERNMENT WORK

Building—Portland, Maine—Bids for the construction of steerage barracks at the U. S. Quarantine Station, Portland, have been rejected by the Supervising Architect, Treasury Dept., Washington, D. C. Noted Mar. 25 and Apr. 29.

✚Post Office and Court House—Brattleboro, Vt.—The contract for constructing a post office and court house has been awarded to the E. T. ABBOTT CONSTRUCTION CO., New York, N. Y., at $101,773. Noted Feb. 11 and Mar. 25.

Dredging—Boston, Mass.—Bids will be received until noon, June 21, at the U. S. Engineer Office, Boston, for dredging in Chelsea Creek and in Boston harbor.

Plumbing—New York, N. Y.—Bids were received June 2 by the Acting Supervising Architect, Treasury Dept., Washington, D. C., for the installation of new plumbing in the New York court house and post office as follows: G. A. Kees Domestic Engineering Co., St. Paul, Minn., $39,945; C. F. Mentzinger's Sons Co., Brooklyn, N. Y., $32,119; James Harley Plumbing Co., Brooklyn, N. Y., $33,979; Charles Meads & Co., New York, N. Y., $31,800; Lassette & Murphy, New York, $42,935; Christopher Nally, New York, $36,852; Noland Clifford Co., Newport News, Va., $35,786; John J. Kenney Co., New York, $31,700; Pullman Bros., Philadelphia, Penn., $43,997; W. C. Cornell Co., New York, $38,193. Noted May 13.

Building—Washington, D. C.—Plans have been prepared for the construction of a new chemical laboratory on Pierce Mill Rd., near Connecticut Ave., Washington, for the Bureau of Standards. The estimated cost is $200,000.

Inspecting Steel—Washington, D. C.—Bids will be received until 3 p.m., June 24, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, for the inspection of structural steel and iron work for buildings erected under the control of the U. S. Treasury.

★Laying Granite Block—Washington, D. C.—Bids will be received until 2 p.m., June 22, by the Commissioners of the District of Columbia for laying about 7700 sq.yd. of granite block.

★Grading and Improving—Washington, D. C.—Bids will be received until 2 p.m., June 22, by the Commissioners of the District of Columbia, for grading and improving various streets.

Ordnance—Washington, D. C.—Bids were received by the Bureau of Ordnance, Navy Dept., Washington, D. C., for furnishing finished guns and gun forgings for the Navy as follows: Item (1), 20 5-in. 51-calibre Mark 8 guns, with breech mechanism; (2) 30 4-in. 50-calibre Mark 9, modification 2, guns, with breech mechanism; (3) 40 sets 50-in. gun forgings for Mark 8 gun, (a) nickel steel (b), gun steel: Bethlehem Steel Co., South Bethlehem, Penn., (1) $8450 each (2) $4200, (3a)$0.28 (3b) $0.24¼; Midvale Steel Co., Philadelphia, Penn. (1) $7675, (2) $5850 (3a) $0.241; (3b) $0.209; American & British Mfg. Co., Bridgeport, Conn. (1) $7800 (2) $4300; Erie Forge Co., Erie, Penn. (3a) first 20 sets, $0.23¾, second 10 sets, $0.25, third 10 sets, $0.26 (3b) $0.20, $0.22, $0.23; Crucible Steel Co., Pittsburgh, Penn., (3a) $0.239 (3b) $0.2065.

Water Meters—Washington, D. C.—Bids will be received until 2 p.m., June 14, by the Commissioners of the District of Columbia, for furnishing 7000 ⅝-in. water meters.

✚★Steel Lock Gates—Wheeling, W. Va.—Bids were received May 18 by Maj. T. H. Jackson, for furnishing and erecting steel lock gates for dams No. 12 and 20, Ohio River as follows: Union Foundry & Machine Co., Pittsburgh, Penn., $30,522, $30,748; C. A. Turner, Inc., Pittsburgh, Penn., $30,600, $30,800; Steacy-Schmidt Mfg. Co., York, Penn., $32,750, $33,100; INDEPENDENT BRIDGE CO., Pittsburgh, Penn., $24,980, $25,950 (awarded contract); Milwaukee Bridge Co., Milwaukee, Wis., $27,336, $26,982; Penn Bridge Co., Beaver Falls, Penn., $30,800, $30,800; Alliance Structural Co., Alliance, Ohio, $27,946, $28,890; American Bridge Co., Pittsburgh, Penn., $25,850, $26,880 and Lupfer & Remick, Buffalo, N. Y., $26,473, $26,393. Noted Apr. 29.

Wharf—Southport, N. C.—Bids will be received until 3 p.m., June 25, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for construction a wharf at the Cape Fear quarantine station near Southport.

Cement—Atlanta, Ga.—Bids will be received until 2 p.m., July 1, by F. H. Duehay, Supt. of Prisons U. S. Penitentiary, Atlanta, for furnishing 5000 bbl. of portland cement.

Post Office and Court House—Opelika, Ala.—Bids will be received until 3 p.m., July 14, by James A. Wetmore Act. Superv. Arch., Treasury Dept., Washington, D. C., for constructing complete the U. S. post office and court house at Opelika.

✚Building—New Orleans, La.—The contract has been awarded to L. F. ALEXANDER, Washington, D. C., at $6700, for constructing a one-story frame dwelling for the chief operators. Noted Mar. 4 and May 27.

Stone—New Orleans, La.—Bids will be received until 11 a.m., June 25, at the U. S. Engineer Office, Queen & Crescent Bldg., New Orleans, for furnishing 25,000 tons of stone.

Stone—Memphis, Tenn.—Bids will be received until noon, June 29, by Maj. E. M. Markham, U. S. Engineer Office, Memphis, for furnishing 16,000 cu.yd. of riprap stone.

Stone—Memphis, Tenn.—Bids will be received until 11 a.m., June 30, by Maj. E. M. Markham, U. S. Engineer Office, Memphis, for furnishing 20,000 tons of riprap stone.

✚★Cribwork—Harbor Beach, Mich.—The contract has been awarded to BURKE, SMITH & NELSON, Muskegon, at $64,787, for constructing cribwork at the breakwater at Harbor Beach. Noted Apr. 29 and May 27.

✚★Lock Improvement—Sault Ste. Marie, Mich.—The contract has been awarded to OSCAR DANIELS CO., Unity Bldg., Chicago, Ill., at $1,010,480, by the government for lock improvement work at the Fourth Lock, Sault Ste. Marie. Noted Apr. 29 and June 3.

✚Reclamation—Saco, Mont.—The contract has been awarded for the construction of Nelson Reservoir South Canal, Milk River Project, Mont., to JAMES O'CONNOR, Dodson, Mont., at $15,615. The work involves about 25,000 cu.yd. of canal excavation and is located 10 miles from Saco. Noted Apr. 15 and May 27.

Post Office—Chillicothe, Mo.—Bids were received June 3, for the construction of a post office building at Chillicothe (a) $87,700 (b) $91,300; Charles W. Gindele Construction Co., Chicago, Ill., (a) $88,000, (b) $90,000; George A. Shaul, Seneca, Kan., (a) $91,877; George W. Stiles Construction Co., Chicago, Ill., (a) $92,755; Dieter & Wenzel Construction Co., Wichita, Kan. (a) $95,408; Hiram Lloyd Building & Construction Co., St. Louis (a) $95,979, (b) $98,979; Campbell Bldg. Co., Salt Lake City, Utah (a) $96,500 (b) $101,200; M. Yeager & Sons, Danville, Va. (a) $97,668, (b) $99,618; R. P. Farnsworth & Co., Owensboro, Ky. (a) $98,800, (b) $100,000; Thomas W. Cissel, Wooster, Ohio (a) $99,833, (b) $103,000; King Lumber Co., Charlottesville, Va. (a) $100,500, (b) $103,000; Heman Construction Co., St. Louis (a) $101,400; Frank H. Latimer & Son, Kansas City (a) $102,313; Frank J. Griffy & Co., Keokuk, Iowa (a) $102,565; Rogers & Kaiser, Chicago, Ill. (a) $102,967, (b) $107,431; Kreipke-Schafer Construction Co., El Reno, Okla. (a) $109,000 and J. P. Cullen Construction Co., Janesville, Wis. (a) $113,050. Noted Apr. 22.

✚Post Office—Bryan, Tex.—The contract for the construction of a post office at Bryan has been awarded to ALGERNON BRAIL, Montgomery, Ala., at $39,277. Noted Apr. 8 and May 20.

✚Building—Ft. Bliss, Tex.—The contract has been awarded for constructing a guard house and bakery to OTTO P. KROEGER, El Paso, at $15,796, guard house, and at $6367, for bakery. Noted Apr. 8.

Post Office—Longview, Tex.—Bids were received June 2, by the Acting Supervising Architect, Treasury Dept., Washington, D. C., for the construction of post office at Longview, (a) limestone, (b) sandstone as follows: Dieter & Wenzel Construction Co., Wichita, Kan., (a) $42,792; Kreipke-Schafer Construction Co., El Reno, Okla, (a) $39,950; Texas Construction Co., San Antonio, (a) $33,030, (b) $33,280; W. H. Fissell & Co., New York, N. Y., (a) $41,800, (b) $42,800; Algernon Blair, Montgomery, Ala., (a) $41,884, (b) $43,000; Colonial Construction & Supply Co., Charlottesville, Va., (a) $41,929, (b) $42,999; George A. Shaul, Seneca, Kan., (a) $38,790; C. V. Beatty, East Liverpool, Ohio, (a) $41,900, (b) $42,600; Thomas W. Cissel, Wooster, Ohio, (a) $44,000, (b) $46,000; W. E. Taylor, Ennis, (a) $36,250, (b) $36,950; Richardson Engineering & Construction Co., Bainbridge, Ga., (a) $41,470, (b) $42,470. Noted Apr. 29.

Hangars—San Antonio, Tex.—Bids will be received until June 20 by Capt. Charles S. Wallace, Office Ch. Signal Officer,

War Dept., Washington, D. C., for constructing two hangars at San Antonio.

✚Post Office—Ardmore, Okla.—The contract for the construction of a post office at Ardmore has been awarded to GEORGE W. STILES CONSTRUCTION CO., Chicago, Ill., at $120,200. Noted Mar. 25 and May 6.

✚★Reclamation—Payson City, Utah—The contract has been awarded for the construction of Lateral 20, Division 8, Highline Unit, Strawberry Valley project, Utah to the HARRISON-KNUDSEN CO., Boise, Idaho, at $38,950. The work which is situated near Payson City involves the moving of about 30,000 cu.yd. of material and canal excavation and the placing of 3400 cu.yd. of reinforced concrete. Noted Apr. 22 and June 3.

✚Reclamation—Roosevelt, Ariz.—The contract has been awarded to the ROSEDALE FOUNDRY AND MACHINERY CO., Pittsburgh, Penn., for furnishing two needle valve outlets for Roosevelt Reservoir, Salt River project, Ariz., at $6420, f.o.b. Pittsburgh.

Boilers—Seattle, Wash.—Bids were received by the U. S. Quartermaster, Arcade Bldg., Seattle, for installing four scotch boilers in the army transport "Warren," as follows: Commercial Boiler Works, Seattle, $32,000, alternate bid on water-tube boilers $23,450; Bremerton Navy Yard, Bremerton, $33,985; Seattle Construction & Dry Dock Co., Seattle, $34,500, alternate bid $24,000.

Building—Clackamas, Ore.—Bids will be received until 2 p.m., June 28, by the Commissioner of Fisheries, Dept. of Commerce, Washington, D. C., for constructing a superintendent's residence at the fisheries station, Clackamas.

Subtreasury—San Francisco, Calif.—Bids will be received until 3 p.m., July 7, by James A. Wetmore, Acting Superv. Arch., Treasury Dept., Washington, D. C., for completing the second story of the U. S. Subtreasury, San Francisco.

Miscellaneous Supplies—Panama—Bids will be received until 10:30 a.m., June 12, by Maj. F. C. Boggs, Gen. Pur. Agt. Panama Canal, Washington, D. C., for furnishing miscellaneous supplies.

MISCELLANEOUS

Retaining Wall and Riprap—Chicopee, Mass.—The following are the bids received for constructing a retaining wall and furnishing riprap at Chicopee. The prices are per cu.yd. of concrete and per cu.yd. of stone: A. Williams & Co., Boston, $6.45; $1.60; Middlesex Contracting Co., Boston, $7.70; $2.40; Dennis I. Crowley, East Milton, $6.65; $2.60; George F. Dustin, Providence, R. I., $7.82; $4; C. M. Leach, Boston, $8.50; $4.45; Lawler Bros., Boston, $7.30; $2.75; Way & Cellili, Springfield, $5.85; $1.35; Rivers & Young Co., Holyoke, $6.88; $2.05; James L. Bryne, Boston, $7; $1.60; Cavanaugh Co., Boston, $7.38; $2.30; P. J. Kennedy & Co., Holyoke, $7.50; $2.80; Daniel O'Connell's Sons, Holyoke, $7.90; $2; George T. Rendle & Co., Boston, $7.90; $2.90; Northeastern Construction Co., Springfield, $7.30; $2.30.

Wall—Plymouth, Mass.—The following are the bids received for constructing a concrete wall at Warren's Cove: Concrete Construction Co., Boston, $5.70 per cu.yd.; Roy H. Fisher, Pepperell, $5.76; A. Williams & Co., Boston, $6; Susi & Williams, Boston, $6.10; Middlesex Contracting Co., Boston, $6.15; Arthur S. Huddell Co., Chelsea, $6.34; Dennis I. Crowley, East Milton, $6.35; R. L. Whipple & Co., Worcester, $6.50; James H. Connolly, Hyannis, $6.70; George F. Dustin, Providence, R. I., $6.72; Beaver Contracting & Engineering Corporation, Boston, $7.60; C. M. Leach, Boston, $8; Lawler Brown, Boston, $8.20; William A. Murtfeldt, Boston, $8.24.

Grandstand and Hall—Springfield, Mass.—Architects and engineers are invited to submit designs and plans to the Building Committee of the Eastern States Agricultural and Industrial Exposition, Inc., on or before July 1, for a combination grandstand and exhibition hall. The person or concern submitting the successful design will be awarded $1000.

Trestle—Worcester, Mass.—The People's Coal Co. plans to construct a trestle, about 400 ft., through its yard. John J. Mullan is Pres.

Buoys and Lighthouses—Albany, N. Y.—According to press reports, Gov. Whitman has signed a bill appropriating $195,000 to provide buoys and lighthouses on the completed portions of the Barge Canal.

Elimination of Grade Crossing—Bronxville, N. Y.—Governor Whitman has signed a bill appropriating $45,000 for eliminating the grade crossing at Bronxville. The plans call for an open-cut crossing under the tracks at a point near where the station now stands.

River Improvement—Hornell, N. Y.—According to press reports, Gov. Whitman had signed the Prangen Bill, which provides for an appropriation of $44,500 for the improvement of the Canisteo River between Hornell and Canisteo.

Lumber—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until noon, June 16, by R. A. C. Smith, Comr. of Docks, Battery Pl., for furnishing about 1,445,808 ft. b.m. of sawed new yellow pine lumber.

Motor Fire Apparatus—New York, N. Y.—(Borough of Manhattan)—Bids will be received by Robert Adamson, Fire Comr., Municipal Bldg., until June 14, for furnishing and applying 26 two-wheel gasoline-driven tractors, 16 to be used on fire engines and 10 on hook and ladder trucks.

Fire Hose—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by Robert Adamson, Fire Comr., Municipal Bldg., until June 16, for furnishing and delivering the following: 5000 ft. of 2½-in. and 5000 ft. of 3½-in. rubber water hose; 20,000 ft. 2½ and 10,000 ft. of 1½-in. cotton rubber-lined fire hose.

✚Lamp Posts—New York, N. Y.—(Borough of Manhattan)—(Official)—The contract for furnishing and delivering 1500 c.-i. lamp posts with steel shafts, has been awarded to the J. L. MOTT IRON WORKS, 118 Fifth Ave., New York. Noted June 3.

Laying Tracks and Repairing Pier—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until noon, June 16, by J. T. Fetherston, Comr., Dept. of Street Cleaning, Municipal Bldg., for laying tracks and contact rails on the pier at East 19th St., installing electrical work and repairing pier.

Removal of Street Encroachments—New York, N. Y.—(Borough of Manhattan)—(Official)—The following are the bids received by the Department of Education for the removal of street encroachments, etc., at Public School 86, Lexington Ave. and 96th St. (Borough of Manhattan): C. L. Dooley, 257 Adelphi St. (Borough of Brooklyn), $9669; W. D. Moore, $10,780; William H. Egan, $11,911; J. M. Knopp, $10,115; Louis Koenig, $11,547.

Pier—New York, N. Y.—(Borough of Brooklyn)—Bids will be received by R. A. C. Smith, Comr. of Docks, Battery Pl. (Borough of Manhattan) until noon, June 18 for building a new pier at the foot of 30th St. to be known as the 30th St. pier.

Flood Protection—Olean, N. Y.—A bill appropriating $150,000 for deepening Olean Creek and Allegheny River and constructing dikes along the sides of these streams, has been signed by Governor Whitman. The City of Olean will also raise $150,000 for this work.

✚Steel Cells—Hackensack, N. J.—The Board of Chosen Freeholders of Bergen County on June 1, awarded the contract to the JOHN T. BRADY CO., New York, for installing two tiers of steel cells in the three wings of the Bergen County jail, at $48,840.

Pier—Philadelphia, Penn.—The Department of Wharves, Docks and Ferries is having plans prepared for a double-deck reinforced-concrete pier, 250x900 ft., to be erected at the foot of McKean St.

✚Bulkhead—Philadelphia, Penn.—(Official)—The contract for the construction of a temporary bulkhead on the Schuylkill River has been awarded to CLOUD, STILES & WORK, Chester, Penn., at about $100,000. John Meigs is Dir. Dept. of Wharves, Docks and Ferries. Noted June 3.

Flood Protection—Pittsburgh, Penn.—The Committee on Finance of the City Council plans to issue $240,000 in bonds for raising the Penn. Ave. district above flood level.

✚Drainage—Wilmington, N. C.—The contract for constructing nine miles of ditches in New Hannibal County Drainage District No. 1 has been awarded to the SOUTHERN DREDGING & CONSTRUCTION CO., Kinston, N. C., at 23½c. per cu.yd. J. L. Becton, Wilmington, is Engr. Noted Feb. 11 and May 20.

Sea Wall—Key West, Fla.—According to press reports a bill has been prepared calling for a bond issue of $300,000 and is to be presented to the State Legislature. It is planned to build a breakwater and seawall extending from the foot of Duval St. to the head of the island.

Wharves and Terminals—Lakeland, Fla.—Herbert D. Mendenhall, of G. D. & H. D. Mendenhall, Consult. Engrs., Lakeland, has been retained to design and install the wharves and terminals of the Commodores Point Terminal Co. The improvements proposed include the construction of one mile of wharves on the St. John's River, dredging the river to 30 ft. and filling in an area of about 135 acres on which will be constructed terminals.

✚Drainage—Pinellas Park, Fla.—The contract has been awarded by the Pinellas Park Drainage District for the construction of a canal and drainage system to the FLORIDA DRAINAGE & CONSTRUCTION CO., Mulberry, Fla. The estimated cost is about $100,000.

Wharves—Cordova, Ala.—It is reported that the St. Louis & San Francisco R.R. Co. will spend $30,000 on the construction of wharves along the Warrior River at Cordova.

✚Drainage—Abbeville, La.—The contract for the construction of a system of drainage canals in Vermillion Parish has been awarded to CHARLES CLARK, Abbeville.

Levee—Baton Rouge, La.—R. B. Butler, Terrebonne, has presented a measure in the State Legislature providing authority to the Atchafalaya Basin Levee District to issue $500,000 bonds for the construction of a levee.

Dams—Natchitoches, La.—According to press reports the Police Jury has voted to construct two dams across Cane River.

✚Levee—New Orleans, La.—The State Board of Engineers has awarded the contract for the Lucy Levee, in St. John's Parish, to the LOUISIANA CONTRACTING CO., at 9.94c. per cu.yd. The levee will contain about 215,000 cu.yd.

Pavilion, Boat Landing, and Pilings—Cleveland, Ohio—Bids will be received by the Commissioner of Purchases and Supplies, Room 511, City Hall, until noon, June 17, for the construction of a pavilion and boat landing in Garfield Park; also for sinking piles at Edgewater Park.

✚Retaining Wall—Franklin, Ohio—The contract for the construction of a 700-ft. retaining wall for the protection of Miami Ave. has been awarded to JOHN K. SPENCER, at $18,025.

Piers—Evanston, Ill.—The city will soon vote on a $50,000 bond issue for the construction of piers.

Channel—Joliet, Ill.—A bill providing for the construction of a $5,000,000 waterway connecting the Chicago Drain Canal with the Illinois River, thus making a direct water route between the Great Lakes and the Gulf of Mexico, has been passed by the State Senate. It provides for the construction of an 8-ft. channel between Joliet and La Salle, connecting the head of navigation in the Illinois River with the Chicago Drain Canal.

Ditch—Marshall, Minn.—It is reported that bids will be received until June 14 by E. S. Shepard, County Audr., for constructing County Ditch No. 13. The cost is estimated at $21,928.

Dredging—St. Paul, Minn.—The Board of Directors, St. Paul Union Depot Co., has postponed action on the award of the contract for dredging the south bank of the Mississippi River between South Robert and Wisconsin St., until June 14. At that time it is hoped to have a $20,000,000 bond issue ready. Edmund Pennington is Pres. of Bd.

Terminal Improvements—Beaumont, Tex.—The citizens have voted in favor of the $100,000 bond issue for the proposed wharf, dock and terminal improvements.

Pipe Line—Ft. Worth, Tex.—The Pierce Oil Corporation plans to build an oil pipe line from the Oklahoma oil fields to Ft. Worth. It is reported that H. Clay Pierce, Pres. of the company, has contracted for a large supply of oil to be handled by the proposed pipe line.

Drainage—Mt. Pleasant, Tex.—(Official)—The Northeast Texas Engineering Co. has been commissioned to prepare plans for leveeing and draining several thousand acres of land on White Oak Creek in Titus County, Tex. W. A. Burton is Ch. Engr.

Wharves and Docks—Orange, Tex.—The City Commission will soon call an election to vote on an issue of $150,000 in bonds for building wharves and docks.

✚Improving Grounds—Salt Lake City, Utah—The contract has been awarded to the UTAH CONSTRUCTION CO., Ogden, at about $50,000, for excavating and filling on Capitol grounds. Noted Apr. 15.

Drainage—Lovelock, Nev.—It is reported that the citizens of Lovelock Drainage District have voted to issue $43,000 in drainage bonds.

✚Drainage—Bellingham, Wash.—The contract for digging the main ditch and three laterals for Drainage District No. 9 has been awarded to CHARLES E. LIND, Bellingham, at $10,544. Noted June 3.

Ditches, Drainage—Everett, Wash.—According to press reports bids will be received until June 14, by the County Commissioners, for constructing drainage ditches in Drainage District No. 4, between Snohomish and Monroe. Noted Apr. 15.

Sprinkler System—Seattle, Wash.—Bids will be received until 1:30 p.m., June 16, by C. E. Remsberg, Secy., Seattle Port Comn., Bell St. Warehouse, for installing a sprinkler system and other fire protection in the Fruit Storage Bldg., East Waterway Terminal. The cost is estimated at $16,000.

✚Schooners—St. Helens, Ore.—The Charles R. McCormick Lumber Co. has awarded to the ST. HELENS SHIPBUILDING CO., St. Helens, the contract for the construction of two four-masted lumber schooners, each 265 ft. long.

Dock—St. Johns, Ore.—Permission has been granted to the Star Sand Co. by the City Council to construct a dock between Richmond and John St. It will be 360 ft. long and 150 ft. wide and will cost about $35,000.

Pier—Crockett, Calif.—The California & Hawaiian Sugar Refining Co. will construct a reinforced-concrete pier at a cost of about $10,000. George M. Rolph, 254 California St., San Francisco, Calif., is Gen. Mgr.

Dam—San Bernardino, Calif.—The Tri-Counties Restoration Committee has voted to construct a dam at the mouth of the cañon, above East Highland.

Dry Docks, Terminals, Etc.—St. Johns, N. B.—The Canadian Government has cancelled the contract of the Norton Griffiths Construction Co. for the construction of a dry dock, terminals and other improvements at the Courtenay Bay Harbor, St. John's. This is one of the largest contracts for public works now under construction, the amount involved being about $7,000,000. The work was to have been completed in two years. It has now been one year under way, but progress has been so slow that it is estimated that 10 years would have been required at the same rate to finish it.

Aërial Tramway—Niagara Falls, Ont.—The Niagara Spanish Aërial Co. will construct an aërial tramway over the Whirlpool at an estimated cost of $100,000. The work involves the stringing of six one-inch steel cables over the pool and the construction of concrete piers on either side. Gonzales Torres is Engr.

✚Addition to Pier—White Rock, B. C.—The contract for building an addition to the pier has been awarded to the FRASER RIVER PILE DRIVING CO., Front St., New Westminster, at $10,500. Material used in the construction will be supplied by the Department of Public Works, Ottawa.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous."

Bridgton, Maine—Bids will be received until noon, June 12 by the Superintendent of the School Commission, for constructing an addition to the main school. Harry S. Coombs, Lewiston, Maine, is Arch.

✚Middlebury, Vt.—The Middlebury College has awarded the contract for the construction of a two- and five-story, brick and limestone dormitory and commons building to THOMAS W. ROGERS, Brandon, Vt. The estimated cost is $80,000. Rossiter & Muller, 15 West 38th St., New York, N. Y., is Arch.

✚St. Johnsbury, Vt.—The contract for the construction of the Grace Methodist Church has been awarded to the CUMMINGS CONSTRUCTION CO., Ware, Mass., at $50,000.

Boston, Mass.—Alfred H. Howard will build an eight-story mercantile building at Harrison Ave. and Beach St., to cost $220,000.

Boston, Mass.—The Dawes Memorial Lodging House for men will be built on Oak St. at a cost of $100,000. Brown & Walcott, 19 South La Salle St., Chicago, Ill., is Arch. Noted May 20.

Boston, Mass.—J. A. Corbett, 1710 Commonwealth Ave., will build a four-story, brick and stone block on Sutherland Rd., to cost $52,000. John C. Foley, 7 Berwick St., Somerville, Mass., is Arch.

Boston, Mass.—A five-story, 52x95-ft., brick and steel apartment house will be built at Audubon Rd. for the Audubon Trust Co. The estimated cost is $50,000. A. B. Beal, 43 Tremont St., is Mgr. Dykeman & Murray, 15 Exchange St., is Arch.

Boston, Mass.—Harry Sklava, 23 Hazelwood St., Malden, Mass., will build a three-story, brick and stone apartment house at 1725 Commonwealth Ave. It will cost $75,000. S. S. Levy, 35 Court St., is Arch.

✚Boston, Mass.—The contract for the construction of a 50x90-ft., stone addition to St. John's Ecclesiastical Seminary, on Lake St., has been awarded to the CHARLES LOGUE BLDG. CO., 18 Tremont St. Maginnis & Walsh, 100 Bolyston St., is Arch. Rev. J. P. Peterson is in charge.

Chicopee, Mass.—St. Stanislaus Church plans the construction of a brick school, to cost about $60,000. Rev. Lawrence Cyman is Pastor.

Chicopee, Mass.—The contract for the construction of an addition to the high school has been awarded to J. J. PAGE & SON, at $55,740. Other bidders were: L. Carreau & Son, $57,947; Sarubbi Construction Co., $57,000; John J. Neil & Co., $57,740; Rivers & Young, $63,080 and Dowling & Bottomley, $59,975.

✚Lawrence, Mass.—The contract for the construction of the Oliver central grammar school has been awarded to A. D. SCHUFELT & CO., at $209,707. Other bids were as follows: W. N. Pike & Sons, $215,517; John A. Peabody & Son, $215,890; John A. Driscoll, $277,777. Noted Apr. 29.

✚Northampton, Mass.—The Church of the Sacred Heart has awarded the contract for the construction of a one-story, 50x150-ft. church to BERNIER & VANASSE, 101 King St. John W. Donahue, 476 Main St., Springfield, Mass., is Arch. Rev. P. Trother is Pastor.

Salem, Mass.—The Essex County Independent Agricultural School has appropriated $100,000 for the construction of a two-story brick building.

Southbridge, Mass.—Thomas F. Murphy has awarded the contract for the construction of a brick and reinforced-concrete theater on Main St. to A. BOYER & SON, Hamilton St. Samuel Macintosh, Providence, R. I., is Arch. Noted Feb. 25.

Southbridge, Mass.—Bids will be received until June 23 by the School Com., for the construction of a high school. Bidders must be registered by June 16 with the architect. Peabody & Stearns, 53 State St., Boston, Mass., is Arch. F. E. Corbin is Secy of Com. Noted Oct. 29 and Apr. 1.

✚Springfield, Mass.—Edward Riley has awarded the contract to EDWARD RODDING for the construction of a four-story, 75x153-ft., brick building at 665 State St., to cost $70,000. Huestis & Huestis is Arch.

Webster, Mass.—Luman H. Tiffany plans the construction of a brick and steel building on Main St. The estimated cost is $80,000.

✚West Springfield, Mass.—(Official)—M. J. WALSH & SONS, Holyoke, Mass., has been awarded the general contract for the construction of an addition to the high school, at $71,660. Sub-contracts were awarded as follows: Heating, Richards & Chard, Stamford, Conn., $8561; Plumbing, J. J. Cotter, Springfield, Mass., $3638; Electrical, R. A. Turner & Co., $3170.30. Fowle & Harding, Westfield, Mass., is Arch.

✚Winthrop, Mass.—The contract for the construction of an addition to the high school has been awarded to CHARLES E. CURRIER, at $59,289. Other bids were as follows: C. S. Cunningham & Sons Co., $60,666; Haynes Construction Co., $62,490; W. George Greenlay, $63,895; Marr Bros. & Stewart Co., $64,914; Whitcomb & Kavanaugh, $70,653; and Gascoigne & Goddard, $82,095. Winthrop Magee is Mayor.

Worcester, Mass.—Bids will be received until 11 a.m., June 15, by the County Commissioners, for alterations to the judges' room and criminal court house. Jacquest & Pontoul, Boston, Mass., is Arch.

✚Providence, R. I.—The Lederer Realty Corporation has awarded the contract for the construction of a six-story office building at Mathewson & Fountain St. to WILLIAM WILLIAMS.

Providence, R. I.—George E. Becket will build an apartment block on Cushing St. Thomas J. Hill Peirce, 413 Jackson Bldg., is Arch.

Providence, R. I.—St. Sebastian's R. C. Church will build a one-story, 78x114-ft. church, at an estimated cost of $100,000. Murphy, Hindle & Wright, 146 Westminster St., is Arch.

Middletown, Conn.—According to press reports Pres. Shanklin announces that a four-story dormitory will be constructed at Wesleyan University, estimated to cost $125,000.

✚Waterbury, Conn.—St. Stanislaus Church has awarded the contract to JOHN W. GAFFNEY & SON, 427 East Main St., for the construction of a one-story, 65x133-ft. church. The estimated cost is $65,000. L. A. Walsh, 51 Leavenworth St., is Arch. Rev. Thomas Zimmerman is Pastor.

Buffalo, N. Y.—Esenwein & Johnson, Arch., 781 Ellicott Square Bldg., is preparing plans for the construction of a 12-story office building and clubhouse on Pearl St. near Niagara St. for the Buffalo Athletic Club, 80 Erie County Bank Bldg. S. B. Nye is Chn. of Bldg. Com.

Geneva, N. Y.—The Ark Chapter of the Masonic Lodge plans to construct a three-story Masonic Temple on Castle St. near Main St. Estimated cost, $50,000. I. Edgar Hill, Loan Association Bldg., is Arch., and Charles Root is Grand Master.

Gloversville, N. Y.—The Board of Education contemplates the construction of a school on North Main St. Estimated cost, $75,000. J. Schuyler Hewitt, 15 North Main St., is Pres.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids have been received for the construction of a concrete dormitory for females at the Riverside Hospital, North Brother Island, as follows: Joseph Kresse Co., 1133 Broadway, New York, $64,400; McHarg-Barton Co., 171 Madison Ave., New York, $69,280; Kelly & Kelley, 12th St., Long Island City, $57,900; Marble Arch Co., Broadway and 216th St., New York, $67,417; Ruggles-Robinson Co., 331 Madison Ave., New York, $64,967; Lincoln-Steele Fleming Co., 17 Madison Ave., New York, $74,962. Noted May 13.

✚New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 2:30 p.m., June 16, by the State Hospital Commission, Capitol, Albany, for the rebuilding of the old wall in the main building at the Long Island State Hospital, Brooklyn. Lewis F. Pilcher, Capitol, Albany, is State Arch.

New York, N. Y.—(Borough of Brooklyn)—Work will soon begin on the construction of a three-story building at Kingston Ave. for the Diphtheria Hospital. The estimated cost is $100,000. The Department of Health will be in charge of the work.

✚New York, N. Y.—(Borough of Brooklyn)—The contract for the construction of a two-story, 100x200-ft. theater at Fifth Ave. between 43d and 44th St. for the One Hundred and

Ninetieth Street Holding Co., St. Nicholas Ave. and 190th St., New York, has been awarded to GEORGE THOMAS, 32 East 42nd St., New York. Estimated cost, $100,000. Noted Mar. 18 and June 3.

New York, N. Y.—(Borough of Manhattan)—The McMorrow Engineering & Construction Co., 271 West 125th St., has purchased a site at 789-797 West End Ave. for the construction of a 12-story apartment house which will cost about $1,000,000.

New York, N. Y.—(Borough of Manhattan)—Bids will be received until June 15 by Donn Barber, Arch., 101 Park Ave., for the construction of a 10-story building at 608-614 Lexington Ave. for the Y. W. C. A., 600 Lexington Ave. F. A. Burdett & Co., 16 East 33d St., is Steel Engr. Estimated cost, $340,000. Noted Apr. 1.

New York, N. Y.—(Borough of Manhattan)—Bids will be received until June 15 by Parish & Schroeder, Arch., 12 West 31st St., for the construction of an eight-story clubhouse at East 45th St. for the Y. W. C. A., 600 Lexington Ave. The estimated cost is $400,000. Noted May 6.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by Louis E. Jollade, Arch., 37 Liberty St., for enlarging the Harlem Branch of the Y. W. C. A. at Lenox Ave. and 124th St. The estimated cost is $250,000. Noted Feb. 25.

New York, N. Y.—(Borough of Manhattan)—A 16-story loft building will be constructed at Madison Ave. and 38th St. on the site of the Havemeyer mansion. The estimated cost is $650,000.

✚**New York, N. Y.**—(Borough of Richmond)—The contract for the construction of a two-story recreation building at Sailors Snug Harbor, S. I. (New Brighton post office), for the Sailors Snug Harbor Corporation, 61 Broadway, New York, has been awarded to the EDWARD CORNING CO., 100 William St., New York. Estimated cost, $40,000. Noted Apr. 8.

Utica, N. Y.—Edward J. Berg, Arch., 223 Elizabeth St., is preparing plans for the construction of a three-story, 48x95-ft. parochial school on Huntington and West Cooper St. for St. Patrick's Church. The estimated cost is $50,000. Bids will be received about July 1. Noted Feb. 4.

✚**Atlantic City, N. J.**—The general contract for the construction of a six-story addition to the Hotel Strand, Pennsylvania and Beach Ave., has been awarded to IRWIN & LEIGHTON, 126 North 12th St., Philadelphia, Penn., at $265,000. Noted Apr. 1 and 22.

Atlantic City, N. J.—Contracts will be awarded about July 10 by the Board of Education for the construction of a three-story addition to the school. The estimated cost is $150,000. Noted Apr. 15 and 22.

Bridgeton, N. J.—Plans are being prepared by Ford, Butler & Oliver, Arch., 101 Park Ave., New York, N. Y., for the construction of a one-story bank building for the Cumberland Trust Co. Estimated cost, $75,000. James S. Ware is Chn. of Bldg. Com.

Englewood, N. J.—Plans are being prepared by Ernest Sibley, Palisade Park, and J. J. Ferry, Assoc. Arch., Dean St., Englewood, for the construction of a school on Engle St. The estimated cost is $150,000. Graham Summer is Pres., Bd. of Education. Noted Apr. 15.

Montclair, N. J.—The Town Council has approved a bond issue of $150,000, for the completion of the new high school and alterations to the old high school.

Vineland, N. J.—Plans are being prepared by George S. Drew, State Arch., Trenton, for the construction of a one-story dining and service building at the State Home for Feeble-Minded Women. The estimated cost is $50,000. Contracts will be awarded about July 1.

West Hoboken, N. J.—Bids will be received about June 15 by Leo S. Feinen, Arch., 3697 Blvd., Jersey City, for the construction of a two-story building at Summit Ave., Paterson Plank Rd. and De Mott St. for the National Bank of North Hudson. Estimated cost, $50,000. Noted Dec. 3.

Dormont, Penn.—(Pittsburgh post office)—J. A. Long & Son, Arch., Benedum-Rees Bldg., Pittsburgh, is preparing plans for the construction of a three-story, 65x100-ft. lodge and store building for the South Hills Hall Association. L. H. Johnson, Benedum-Rees Bldg., Pittsburgh, is Chn. of Bldg. Com. Estimated cost, $55,000.

✚**Irwin, Penn.**—The contract for the construction of the Irwin-North Huntington Township High School has been awarded to J. E. MYERS, Penn Station. Estimated cost, $100,000.

✚**Lebanon, Penn.**—F. ROE SEARING, Philadelphia, has been awarded the contract for the construction of a one- and two-story, 60x110-ft. armory by the State Armory Board. McCormick & French, Wilkes-Barre, is Arch. Noted Jan. 14.

Lebanon, Penn.—A. A. Ritchie, Arch., 33 North Sixth St., is preparing plans for the construction of a two-story high school. The estimated cost is $150,000.

Philadelphia, Penn.—Adin B. Lacey and Alexander Adams, Assoc. Archs., are preparing plans for the construction of a five-story, 36x100-ft. office building on Broad near Arch St. for the Philadelphia Life Insurance Co. Noted May 27.

Philadelphia, Penn.—Sauer & Hahn, Arch., 1112 Chestnut St., is preparing plans for the construction of a six-story fireproof building at 315 Arch St. for Charles Schmidt.

Philadelphia, Penn.—Plans are being prepared by Philip Johnson, Arch., Lund Title Bldg., for the construction of a one-story, 150x225-ft. drill hall, a two-story, 40x210x360-ft. administration building and a two-story, 135x150-ft. stable for the state. The buildings will be located at 32d, 33d, Lancaster and Cuthbert St. The estimated cost of the project is $200,000. Noted May 20.

✚**Philadelphia, Penn.**—The contract for the construction of a parochial school at Chestnut Hill for the Church of Our Mother of Consolation has been awarded to JACOB MYERS & SONS, Witherspoon Bldg., Philadelphia, at about $80,000. Noted May 27.

Pittsburgh, Penn.—Contracts will be awarded about July 1 for the construction of the South Hills Bailey High School at Ruth, Eureka and Harwood St. and Secane Ave. The estimated cost is $850,000. Noted Apr. 15.

Wilmington, Del.—Plans are being prepared by Hoffman Co., Arch., Globe Theater Bldg., Philadelphia, Penn., for the construction of a three-story theater for R. Topkis & Son. The estimated cost is $125,000.

Baltimore, Md.—Theodore Wells Pietsch, Arch., has prepared tentative plans for the construction of a church and parsonage at Charles Street Ave. and University Parkway for the North Baltimore Methodist Episcopal Church South. The estimated cost is $175,000. J. W. Smith is Pastor.

✚**Washington, D. C.**—The contract for the construction of a five-story bank building for the National Savings Trust Bank has been awarded to the BOYLE-ROBERTSON CONSTRUCTION CO., 1516 H St. N. W., Washington. Estimated cost, $150,000. Noted May 6.

Charleston, W. Va.—Plans have been prepared by David Dick, Arch., for the construction of an addition to the courthouse. The estimated cost is $50,000.

Charleston, W. Va.—Preliminary plans have been prepared by A. G. Higginbotham, Arch., for the construction of a three-story apartment for W. S. Mason. Estimated cost, $50,000. Noted Apr. 29.

Clarksburg, W. Va.—The Clarksburg Protestant Hospital Co. plans to construct a hospital to cost about $150,000. F. M. Goodman is Secy.

Glenville, W. Va.—Bids will be received until 2 p.m., June 29, by the State Board of Control, Charleston, for the construction of a three-story, 50x169-ft. dormitory at the Glenville Normal School. H. Rus Farne, Charleston, is Arch.

Huntington, W. Va.—Bids will be received until 2 p.m., June 29, by the State Board of Control, Charleston, for the construction of a three-story, 79x143-ft. science hall at Marshall College.

Morgantown, W. Va.—Bids will be received until 2 p.m., June 29, by the State Board of Control, Charleston, for the construction of buildings at the West Virginia University. The work will include a three-story, 44x141-ft. addition to the Mechanical Hall with two, three-story wings, one 44x67 ft. and one 43x55 ft., and a three-story, 55x75-ft. building for the School of Medicine. The cost is estimated at $100,000. H. Rus Farne, Charleston, is Arch. and J. S. Larkin is Pres. of Bd.

Wheeling, W. Va.—Bids will be received until June 14 by Frank Stanton, Clk., Bd. of Education, for the construction of a two-story school on Wheeling Island. The school will have 16 rooms and an auditorium with a seating capacity of 500. Estimated cost, $100,000.

Greenville, S. C.—At an election recently held the citizens voted in favor of issuing $75,000 in bonds. The proceeds will be used for the construction of a high school and a grammar school.

Atlanta, Ga.—The Subcommittee of the Council Bond Issue Committee has recommended that bonds to the amount of $375,000 be issued for the construction of buildings at the Grady Hospital. The amount includes a new building, $100,000, a nurses dormitory, $60,000, outdoor clinics, $50,000, building for contagious diseases, $50,000, and $40,000 for miscellaneous purposes. J. L. McCord and J. C. White are Councilmen.

Birmingham, Ala.—The Louis Saks Clothing Co. plans to construct a five-story mercantile building at Second Ave. and 19th St. on the site of the Florence Hotel. The estimated cost is $150,000.

Ashland, Ky.—Bids are being received by Weber, Werner & Adkins, Arch., 1206 Mercantile Library Bldg., Cincinnati, Ohio, for the construction of a four-story building for the Second National Bank. Estimated cost, $60,000. Noted May 6.

Covington, Ky.—Samuel Hannaford & Sons, Arch., Sixth and Vine St., Cincinnati, Ohio, has prepared tentative plans for the construction of the Booth Memorial Hospital on East Second St. for the Salvation Army. The estimated cost is $100,000. W. S. Barker, Salvation Army Headquarters, 120 West 14th St., New York, N. Y., is Property Secy.

Louisville, Ky.—Bids will be received until June 18 by John Bacon Hutchings & Sons, Arch., Columbia Bldg., for the construction of a Y. W. C. A. building at Second St. and Broadway. The estimated cost is $250,000. Noted Dec. 24.

Akron, Ohio—Plans have been approved by the members of the Auditorium Committee of the Chamber of Commerce for the construction of the State armory on South Broadway. The estimated cost is $165,000, Harpster & Bliss, Nantucket Bldg., is Arch. Noted Jan. 28.

Alliance, Ohio—Bids will be received until June 15 by C. C. & A. L. Thayer, Arch., Mercantile Bldg., New Castle, Penn., for the construction of a two-story Masonic Temple for the F. & A. M. Estimated cost, $45,000. Otis Wilcox is Chn.

Barberton, Ohio—Bids will be received until June 21 by the Board of Education for the construction of a two-story, 101x207-ft. high school. The estimated cost is $115,000. Harpster & Bliss, Nantucket Bldg., Akron, is Arch. Noted May 13.

Camden, Ohio—Plans prepared by E. R. Thompson, Arch., for the construction of a school at Camden, have been approved and accepted by the School Board. The estimated cost is $60,000.

✚**Cincinnati, Ohio**—DAVID HUMMEL BUILDING CO., 2629 Spring Grove Ave., Cincinnati, at $40,500, has been awarded the contract for the construction of the building for women at the University of Cincinnati. Noted Feb. 11.

Cincinnati, Ohio—The Board of Education plans to expend about $300,000 which will be used to repair school buildings. Charles Handman is Business Mgr.

Cincinnati, Ohio—The Building Committee of the Y. M. C. A. has accepted plans for the construction of a nine-story building at Canal and Elm St. The estimated cost is $500,000. Noted Feb. 11.

Cleveland, Ohio—Bids will be received until 4 p.m., June 25, by the Secretary of the Cleveland Public Library Board, 1375 Euclid Ave., for the construction of a library on East 79th St. near North Superior Ave. John G. White is Pres. and Carl Lorenz is Secy. of Library Bd. William R. Powell, 1106 Hippodrome Bldg., is Arch. Noted Feb. 25.

✚**Cleveland, Ohio**—The Board of Education has awarded the contract for the construction of an addition to the Central School at Central and 65th St. to GEORGE A. RUTHERFORD CO., 2160 East 18th St., Cleveland, at $55,495. Noted May 6.

Cleveland, Ohio—Fulton & Taylor, Arch., Permanent Bldg., has prepared plans for the construction of 11 three-story apartment houses and a six-story hotel at Euclid Ave. and East 66th St. through to Carnegie Ave. for the Euclid Avenue Carnegie Co. The estimated cost is $600,000. Noted Dec. 3.

Cleveland, Ohio—Preliminary plans are being prepared by W. S. Lougee, Arch., 500 Marshall Bldg., for the construction of a three-story lodge and store building for the Cleveland Bricklayers' Benevolent Association, 498 East 117th St. Estimated cost, $50,000. W. E. Potter is Secy.

Ironton, Ohio—Stribling & Lum, Arch., 540 Denig-Ferson Bldg., Columbus, is preparing plans for the construction of a five-story Masonic Temple for Lawrence Lodge No. 198. L. F. Selb is Secy. Estimated cost, $50,000. Noted May 27.

Ironton, Ohio—The Ironton Hotel Co. is making financial arrangements for the construction of a five-story, 145x200-ft. hotel. Estimated cost, $100,000. George W. Koonce, 246 South Sixth St., is Secy. Noted Sept. 17.

✚**Lancaster, Ohio**—The contract for the construction of the municipal hospital for the Hospital Commission has been awarded to ASA F. MORELOCK, Marysville, at $48,000. W. T. Mills, Columbus, is Arch. Noted May 13.

✚**Middletown, Ohio**—The contract for the construction of an addition to the building at Third and Broad St. for the John Ross Co. has been awarded to CALDWELL & ISEMINGER, Middletown. Estimated cost, $68,000.

Niles, Ohio—Charles F. Owsley, Arch., 13th floor, Mahoning County Bank Bldg., Youngstown, is preparing plans for the construction of a one-story building for the Dollar Savings Bank Co. The estimated cost is $100,000. W. H. Stevens, 36 South Main St., Niles, is Secy.

Toledo, Ohio—Plans are being prepared by Joseph P. Jogerst, Arch., 1402 Kresge Bldg., Detroit, Mich., for the construction of a six-story apartment hotel to be known as "The Scottwood." The estimated cost is $100,000.

Youngstown, Ohio—G. A. Skoog, Arch., 1104 Mahoning County Bank Bldg., is preparing plans for the construction of a six-story clubhouse for the Swedish Building Association, 226 West Front St. Estimated cost, $50,000.

Crown Point, Ind.—The County Commissioners have been petitioned to appropriate $50,000, to be used for the construction of a county tuberculosis sanitarium.

✚**Evansville, Ind.**—The contract for the construction of a ten-story building for the St. George Hotel Co. has been awarded to CALDWELL & DRAKE, Columbus. F. H. Van Orman, 401 Upper First St., Evansville, is interested. Estimated cost, $400,000.

Detroit, Mich.—The Detroit Rescue Home for Girls, West Fort and 22d St., will construct a building at West Fort St. and the West Grand Blvd. Estimated cost, $50,000. Richard P. Joy, Pres. of the National Bank of Commerce, Union Trust Bldg., is Treas.

Grand Rapids, Mich.—The State Legislature has appropriated $90,000, which will be used for the construction of an armory for the Grand Rapids Battalion of the Michigan National Guard.

Hastings, Mich.—Bids will be received until June 22 by William L. Shulters for the construction of a two-story, 100x206-ft. school. The estimated cost is $80,000. R. A. Le Roy, Pratt Bldg., Kalamazoo, is Arch.

Chicago, Ill.—H. L. Newhouse, Arch., 4630 Prairie Ave., is preparing plans for the construction of a three-story, 245x258-ft. theater, store and office building for Frank F. Greenwald. The estimated cost is $150,000.

Chicago, Ill.—Bids will be received about June 12 by Ottenheimer, Stern & Reichert, Arch., 220 South State St., for the construction of a nine-story clubhouse for the Chicago Lodge No. 4, B. P. O. E. The estimated cost is $250,000. Noted May 6.

Oak Park, Ill.—Lyman Furbeck plans to construct a building containing 45 apartments at 811-17 Lake St. The estimated cost is $150,000.

Appleton, Wis.—Cooledge & Hodgson, Arch., Chicago, Ill. is preparing plans for the construction of a building for the Citizens' National Bank. The estimated cost is between $65,000 and $75,000.

Kenosha, Wis.—Bids will be received about June 15 by the Board of Education for the construction of the two-story Kenosha High School on Collins St. The estimated cost is $100,000. Howard H. Hahn, Benedict & Tarbell Bldg., is Arch. Noted May 6.

✚**Milwaukee, Wis.**—The contract for the construction of an addition and alterations to the Knights of Columbus Institute, Grand Ave. and 15th St., has been awarded to EDWARD STEIGERWALD, 2303 Galena St., Milwaukee. Burst, Philipp & Heimel, Camp Bldg., is Arch. Estimated cost, $90,000.

Waukesha, Wis.—The Board of Education has dismissed the architect selected to prepare plans for a high school to cost about $125,000. A new architect will soon be selected by the Board. George B. Harris is Pres. of Bd. Noted Mar. 11.

Armstrong, Iowa—Contracts will be awarded about June 15 by the Independent School District for the construction of a three-story grade and high school. Estimated cost, $50,000. Alban & Lockhart, 347 Endicott Bldg., St. Paul, Minn., is Arch.

Forest City, Iowa—Contracts will be awarded about June 22 by the Independent School District for the construction of a three-story high school. The estimated cost is $70,000. Noted May 6.

Mason City, Iowa—Tentative plans have been submitted to the Board of Education by J. H. Felt & Co., Arch., 804 Grand Ave., Temple Bldg., Kansas City, Mo., for the construction of a high school. The estimated cost is $300,000. Noted May 27.

Sioux City, Iowa—T. S. Martin, Pres. of the T. S. Martin Dry Goods Co., plans to construct a ten-story office and store building at Fourth and Nebraska St. The estimated cost is $750,000.

Minneapolis, Minn.—Bids recently received for the construction of a 12-story hotel on Second St. and Hennepin Ave. for the Union City Mission have been rejected. New bids will soon be received by C. E. Bell, Arch., 310 Security Bank Bldg. The estimated cost is $200,000. Noted Apr. 1.

Minneapolis, Minn.—The Metropolitan National Bank, Metropolitan Life Bldg., plans to construct an office building at Sixth St. and Second Ave. Estimated cost, $300,000. V. H. Van Slyke is Pres.

St. Paul, Minn.—See item under "Miscellaneous."

Omaha, Neb.—The Masonic Order, 16th St. and Capitol Ave., plans to construct a five- or six-story fireproof temple at 19th and Douglas St. The estimated cost is $250,000. George B. Prinz, Omaha National Bank Bldg., is Arch. Noted Mar. 18.

Sioux Falls, S. D.—The Sioux Falls Construction Co., Sioux Falls, at $109,750, submitted the lowest bid for the construction of the South Side Grammar School and an addition to the Lincoln Grammar School.

✚**Grand Forks, N. D.**—The Board of Education has awarded the contract for the construction of a high school to the GREY CONSTRUCTION CO., Watertown, S. D., at $169,000 Noted Aug. 20.

Billings, Mont.—Preliminary plans have been approved for the construction of an addition to the Sisters of Charity Hospital. The estimated cost is $85,000.

✚**Bozeman, Mont.**—H. J. HAMMILL & CO., Bozeman, has been awarded the contract for the construction of a three-story parochial school and parish house for the Holy Rosary Church. Estimated cost, $50,000.

Havre, Mont.—Horton & Willits, Great Falls, at $118,970, submitted the lowest bid for the construction of the courthouse and jail for Hill County. John H. Devine is Clk. of the County Comn. Noted May 13.

St. Joseph, Mo.—(Official)—Bids will soon be received for the construction of an eight-room adition to the grade school. The estimated cost is $60,000. Eckel & Aldrich, Forsee-Corby Bldg., is Arch. Noted May 27.

St. Louis, Mo.—Plans have been prepared by George D. Barnett for the construction of the Kerens Memorial Chapel in the new cathedral for Richard C. Kerens, Times Bldg. The estimated cost is $75,000.

St. Louis, Mo.—The St. Louis Amusement Co. plans to construct a motion picture theater at 208 North Sixth St. Estimated cost, $40,000. George E. Lawlor is Secy.

Dallas, Tex.—Bids will be received until June 15 by the Board of Education for the construction of a four-story high school. The estimated cost is $200,000. Noted Mar. 18.

El Paso, Tex.—The El Paso Aerie No. 73, Fraternal Order of Eagles, plans to construct a building. Estimated cost, $100,000. W. J. Moran, J. C. Perry and James Connors are members of Bldg. Com.

Orange, Tex.—The City Commission will soon call an election to vote on the question of issuing $150,000 in bonds. The proceeds will be used for the construction of public schools.

Sapulpa, Okla.—At an election held recently the citizens voted in favor of the question of issuing $150,000 in bonds. The proceeds will be used for the construction of a high school.

Tulsa, Okla.—George Winkler, Arch., is preparing plans for the construction of a four-story, 125x270-ft. high school for the Tulsa School District. The estimated cost is $300,000. Bids will be received and contracts awarded about Sept. 1.

✚**Pocatello, Idaho**—(Official)—The contract for the construction of a high school has been awarded to D. C. MURPHY & CO., Pocatello. The estimated cost is $100,000. W. R. Siders is Supt. Noted May 6 and 20.

Tucson, Ariz.—The Legislature has appropriated $75,000 which will be used for the construction of a mining and engineering building at the University of Arizona. R. B. Von Kluss Smid is Pres. of the university.

✚**Everett, Wash.**—The contract for the construction of a public building, at Everett, has been awarded to HENRICKSON & CO., Seattle, at $111,500.

Spokane, Wash.—The construction of a convent on Dakota St. for the Franciscan Order of Nuns is under consideration. Estimated cost, $75,000.

Tacoma, Wash.—The construction of the proposed gymnasium for the Stadium High School has been postponed until the summer. Health & Gove, National Realty Bldg., is Arch. The estimated cost is $55,000. Noted Apr. 22.

Tacoma, Wash.—Plans have been approved by the Chicago, Milwaukee & St. Paul Ry. for the construction of a passenger station at 25th and East A St. The estimated cost is $400,000. A. J. Earling, Chicago, Ill., is Pres. and C. F. Loweth, Chicago, Ill., is Ch. Engr.

Vancouver, Wash.—D. Nichols, Arch., Vancouver, and Julius Zittel, Arch., Rookery Bldg., Spokane, have been commissioned to prepare plans for the construction of a School for the Blind. The estimated cost is $75,000.

Walla Walla, Wash.—All bids recently submitted to the County Commissioners of Walla Walla County for the construction of a $150,000 courthouse have been rejected. M. J. Hursen Co., Globe Bldg., Seattle, at $137,750 using Boise stone, submitted the lowest bid. C. F. Dement, is County Audr. Noted May 27.

Huntington Beach, Calif.—The lowest bid submitted for the construction of a school was that of Harvey Garber, Orange, at $40,694. John C. Smith, 325 Hillman Bldg., Los Angeles, is Arch. Noted Apr. 15 and May 20.

✚**Los Angeles, Calif.**—The contract for the construction of a two-story 51x146-ft. ward building and a two-story 61x94-ft. addition to the Old Ladies' Home at the County Farm has been awarded to the DAVIDSON CONSTRUCTION CO., 16th and Tennessee St., Los Angeles, at $44,000. George Low is Superv. Arch.

Contracts to Be Let

Bids received until June 15, 1915.

Street Improvements

DEPARTMENT OF PUBLIC WORKS.

Philadelphia, Pa.

Sealed proposals will be received until 12 o'clock, noon, on Tuesday, June 15th, 1915, for, and opened at that time in Room 225, City Hall:

Improvement of the Northeast Boulevard and Branches, from Rhawn St. northward.

Estimated quantities of the principal items of work to be done are as follows:

Grading	232,605 cu.yds.
Bituminous Pavement	58,457 sq.yds.
Sewers	7,257 lin.ft.
Vitrified Block Paving	9,220 sq.yds.
Concrete Curb	17,490 lin.ft.
Concrete Footways	10,915 sq.yds.
Topsoil	72,000 sq.yds.
Electrical conduits	3,000 lin.ft.
Trees and Shrubs	2,400

Together with the necessary incidental work.

A charge of five (5) dollars will be made for each set of specifications and drawings, which will be refunded upon the return of the unused specifications and drawings in good condition, or upon the return of the drawings in case a bid is submitted.

Inquire at Room 232, City Hall, Philadelphia.

M. L. COOKE, Director.

Bids received until June 21, 1915.

Sewage Disposal Works

Greenwich, Conn.

Sealed proposals will be received by the Sewer Commissioners of the Town of Greenwich, Connecticut, at their office in the Town Building until eight o'clock P.M., on Monday evening, June 21st, 1915, for the construction of a Sewage Disposal Works to be erected in East Port Chester, Connecticut, Sewer District No. 9.

Plans and specifications can be seen or obtained at the Offices of the Sewer Commissioners, Town Building, Greenwich, Connecticut, Mr. Sheldon E. Minor, C. E., Trust Company Building, Greenwich Avenue, Greenwich, Connecticut, or Mr. Clyde Potts, Consulting Engineer, No. 30 Church Street, New York City, New York. The right is expressly reserved to reject any or all bids.

WILLIAM WILSON HEATON,
ISAAC M. HUBBARD,
ALBERT C. PECK,
Sewer Commissioners of the Town of Greenwich, Connecticut.

Dated Greenwich, Connecticut, June 3rd, 1915.

Bids received until June 25, 1915.

Water-works Elevated Water Tower

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO.

City of Stratford, Ontario, Canada.

Specifications for a 500,000 Imperial gallon elevated water tower will be issued on Friday, June 4th, and Sealed Tenders, mailed to the undersigned, and marked "Tender for Stratford Elevated Water Tower," will be accepted until 9 a.m. on Friday, June 25, 1915. Copies of the above specifications, and form of tender, can be obtained from the address given below.

The lowest or any tender will not necessarily be accepted.

F. A. GABY, Chief Engineer,
Hydro-Electric Power Commission of Ontario,
Continental Life Building, Toronto, Ontario.

Bids received until June 16, 1915.

Highway Work

OFFICE OF THE STATE COMMISSION OF HIGHWAYS.

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at 1 o'clock p.m. on Wednesday, June 16th, 1915, for the improvement of highways in the following counties:

Broome, 2 highways (0.68; 2.32); Delaware (approx. length 2.50); Fulton (approx. length 4.58); Hamilton, 2 highways (4.22; 4.54; Lewis (approx. length 6.86); Monroe, 2 highways (4.54; 6.05); Niagara, 4 highways (1.32; 4.42; 2.33; 5.07); Herkimer (approx. length 8.89); Oneida (approx. length 8.89); Onondaga, 3 highways (3.06; 7.23; 1.91); Orleans, 2 highways (2.46; 1.80); Rensselaer, 2 highways (0.34; 0.88).

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the offices of the Division Engineers in whose divisions the roads are to be constructed. The addresses of the Division Engineers and the counties in which they are in charge will be furnished on request.

The especal attention of bidders is called to "Information for Bidders" in the itemized proposal, specifications and contract agreement.

EDWIN DUFFEY, Commissioner.
IRVING J. MORRIS, Secretary.

Bids received until June 28, 1915.

Storm Sewer System

Kirksville, Mo.

Sealed proposals on blanks furnished by the City and addressed to the Mayor and City Council, Kirksville, Mo., will be received until 7 o'clock P.M., June 28, 1915, for furnishing all material and labor for the construction of a system of storm sewers in Joint Storm Sewer District Number Three of said City, as per plans and specifications adopted by them, as follows:

Approximately 257 lineal feet of 36-inch, 640 feet of 30-inch, 485 feet of 24-inch, 540 feet of 18-inch, 595 feet of 15-inch, 565 feet of 12-inch, 600 ft. of 10-inch storm sewer with all necessary manholes, catch basins and other appurtenances.

Each bid must be accompanied by a certified check for $600 made payable to the Mayor and City Council.

Plans and specifications may be seen at the office of the City Clerk or of the Engineer.

C. E. MURRELL, Mayor.
R. M. MILLER.
THOMAS RAINEY.
O. D. McKASSON, City Clerk.
C. V. DOWNING, Engineer.

Bids received until June 23, 1915.

Bridge

San Francisco, Calif.

Bids will be received by the Board of Public Works, City Hall, San Francisco, at 3 p.m., June 23rd, 1915, for constructing and erecting a Strauss Trunnion bascule bridge and substructure and approaches on Fourth St. over the Channel St. waterway, San Francisco.

Drawings, specifications and blank forms of proposal may be obtained from the City Engineer, City Hall, San Francisco. Blank forms of proposal can also be obtained at the office of "Engineering News," New York, where drawings and specifications are on file.

U. S. ENGINEER OFFICE, Cincinnati, O., May 26, 1915.—Sealed proposals for building a Power House at Dam No. 29, Ohio River, near Ashland, Ky., will be received here until 2 p.m., June 15, 1915, and then publicly opened. Information on application. H. JERVEY, Lt.-Col., Engrs.